

Author Index

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KEY TO ABBREVIATIONS USED FOR ARTICLE CLASSIFICATION

* = Original Article	CT = Collective Review	KR = Key References
AN = Announcement	CV = Current Review	PA = Presidential Address
CL = Classics in Thoracic Surgery	DI = Discussion	RE = Report
CR = Case Report	ED = Editorial	RV = Review of Recent Books
CP = Correspondence	HW = How to Do It	
	IC = Invited Commentary	

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- Acar C. *see* Jebara, Acar, & others. 1991;52:897–8,CP
- Accola KD, Craver JM, Weintraub WS, Guyton RA, Jones EL. Multiple reoperative coronary artery bypass grafting. 1991;52:738–44*
- Acker M. *see* El Asmar, Acker, & others. 1991;52:66–9*
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- Amato JJ, Galdieri RJ, Cotroneo JV. Role of extended aortoplasty related to the definition of coarctation of the aorta. 1991;52:615–20*
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- Anderson RH, Devine WA, Ho SY, Smith A, McKay R. The myth of the aortic annulus: the anatomy of the subaortic outflow tract. 1991;52:640–6*
- Anderson RH. *see* Lincoln & Anderson. 1991;52:730–1,ED
- Anderson RP. Opening remarks. 1991;52:353*
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- Aronson S, Lee BK, Liddicoat JR, Wiencek JG, Feinstein SB, Ellis JE, Roizen MF, Karp RB. Assessment of retrograde cardioplegia distribution using contrast echocardiography. 1991;52:810–4*
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- Auteri JS, Jeevanandam V, Bielefeld MR, Sanchez JA, Spotnitz HM. Effect of AICD patch electrodes on the diastolic pressure–volume curve in pigs. 1991;52:1052–7*
- Auteri JS. *see* Jeevanandam, Barr, & others. 1991;52:1213–6*
- Bahn CH. Simplified placement of retrograde cardioplegic catheter. 1991;52:879–80,HW
- Bailey SC, Watson DC. Atrioventricular septal defect repair in infants. 1991;52:33–7*
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- Baldwin RT, Duncan JM, Frazier OH, Wilansky S. Patent foramen ovale: a cause of hypoxemia in patients on left ventricular support. 1991;52:865–7,CR
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- Barner HB. Blood cardioplegia: a review and comparison with crystalloid cardioplegia. 1991;52:1354–67,CV
- Barner HB, Naunheim KS, Fiore AC, Fischer VW, Harris HH. Use of the inferior epigastric artery as a free graft for myocardial revascularization. 1991;52:429–37*
- Barner HB. *see* Accola, Craver, & others. 1991;52:738–44,DI

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- Bartley TD. The Society of Thoracic Surgeons Professional Liability Survey, 1988-1989. 1991;52:354-5*
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- Blanche C, Eigler N, Bairey CN. Internal mammary artery to lung parenchyma fistula after aortocoronary bypass grafting. 1991;52:141-2,CR
- Boldt J. *see* Hehrlein, Netz, & others. 1991;52:112-7*
- Boley TM. *see* Landreneau, Herlan, & others. 1991;52:1176-8,CR
- Boley TM. *see* Landreneau, Marshall, & others. 1991;52:325-7,HW
- Boley TM. *see* Landreneau, Nawarawong, & others. 1991;52:134-6,CR
- Bolling SF, Morady F, Calkins H, Kadish A, de Buitelir M, Langberg J, Dick M, Lupinetti FM, Bove EL. Current treatment for Wolff-Parkinson-White syndrome: results and surgical implications. 1991;52:461-8*
- Bolling SF. *see* Lowe, Anstadt, & others. 1991;52:1237-45,DI
- Bolling SF. *see* Pearl, Laks, & others. 1991;52:780-6,DI
- Bolman RM III. *see* Chan, Fleischer, & others. 1991;52:1230-6,DI
- Bolman RM III. *see* Dyke, Yeh, & others. 1991;52:14-9,DI
- Bonchek LI. Cooling jacket modifications. 1991;52:345,CP
- Bonser RS, Dave J, Morgan J, Morgan C, Davies E, Taylor P, Gaya H, John L, Paneth M, Vergani D. Complement activation during bypass in acquired C1 esterase inhibitor deficiency. 1991;52:541-3,CR
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- Bortolotti U, Milano A, Testolin L, Tursi V, Mazzucco A, Gallucci V. Influence of type of prosthesis on late results after combined mitral-aortic valve replacement. 1991;52:84-91*
- Bortolotti U, Stellin G, Mazzucco A, Carlo A. Carlon and the cavopulmonary anastomosis. 1991;52:1204-5,CP
- Boulton F. *see* Campanella, Cameron, & others. 1991;52:245-9*
- Bove EL. Extended aortic and left main coronary angioplasty with a single pericardial patch in a patient with Williams syndrome. 1991;52:1333,IC
- Bove EL. Transplantation after first-stage reconstruction for hypoplastic left heart syndrome. 1991;52:701-7*
- Bove EL. *see* Bolling, Morady, & others. 1991;52:461-8*
- Bracamonte L. *see* Miralles, Bracamonte, & others. 1991;52:886-95,CV
- Brack M, Olson JD, Pedersen WR, Goldenberg IF, Gobel FL, Pritzker MR, Emery RW, Lange HW. Transesophageal echocardiography in patients with mechanical circulatory assistance. 1991;52:1306-9*
- Braunlin EA. *see* Irwin, Braunlin, & others. 1991;52:632-9*
- Brenner WI. Aortic vent efficiency. 1991;52:583,CP
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- Browdie D. Poststernotomy infections. Reply. 1991;52:898-9,CP
- Brown PS Jr, Nath R, Votapka T, Slaughter M, Meyers SN, Talano JV, Joob A. Traumatic ventricular septal defect and disruption of the descending thoracic aorta. 1991;52:143-4,CR
- Brown PS Jr. *see* Holland, Brown, & others. 1991;52:46-50*
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- Burt M, Diehl W, Martini N, Bains MS, Ginsberg RJ, McCormack PM, Rusch VW. Malignant esophagorespiratory fistula: management options and survival. 1991;52:1222-9*
- Burt M. *see* Rosengart, Martini, & others. 1991;52:773-9*
- Butler J. *see* Efthimiou, Butler, & others. 1991;52:1005-8*
- Butterfield M, Fisher J, Davies GA, Spyt TJ. Comparative study of the hydrodynamic function of the CarboMedics valve. 1991;52:815-20*
- Button JH. *see* Galbut, Traad, & others. 1991;52:20-8*
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- Calhoon JH. Angiocardiography in Congenital Heart Malformations, by Benigno Soto and Albert D. Pacifico. 1991;52:150,RV
- Calhoon JH. Complications in Cardiothoracic Surgery, edited by John A. Waldhausen and Mark B. Orringer. 1991;52:335,RV
- Calkins H. *see* Bolling, Morady, & others. 1991;52:461-8*
- Callaghan JC. Aortic valve replacement with Omniscience and Omnicarbon valves. 1991;52:243-4,IC
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- Campanella C, Cameron E, Sinclair C, Feilberg VL, Hider C, Prasad S, Boulton F, Lamb D. Preliminary results of left heart bypass in pigs using a heparin-coated centrifugal pump. 1991;52:245-9*
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- Canver CC, Pigott JD, Mentzer RM Jr. Neonatal pneumonectomy for isolated unilateral pulmonary artery agenesis. 1991;52:294-5,CR
- Caralis JP. *see* Duncan, Baldwin, & others. 1991;52:1342-3,HW
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- Chan BBK, Fleischer KJ, Bergin JD, Peyton VC, Flanagan TL, Kern JA, Tribble CG, Gibson RS, Kron IL. Weight is not an accurate criterion for adult cardiac transplant size matching. 1991;52:1230-6*
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- Chang C-Y. *see* Wei, Chang, & Chang. 1991;52:852-4,CR
- Chang Y-C. *see* Wei, Chang, & Chang. 1991;52:852-4,CR
- Chang-Chun C, Matsuda H, Sawa Y, Kaneko M, Sakagoshi N, Nishimura M, Kuratani T, Amemiya A, Kawashima Y. Effect of a cyclic adenosine monophosphate phosphodiesterase inhibitor, DN-9693, on myocardial reperfusion injury. 1991;52:495-9*
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- Chu S-H, Huang T-S, Hsu R-B, Wang S-S, Wang C-J. Thyroid hormone changes after cardiovascular surgery and clinical implications. 1991;52:791-8*
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- Clark RE. Report of the first presentation of the national database. 1991;52:414*
- Clark RE. The STS national database: alive, well, and growing. 1991;52:5,ED
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- Cochrane AD, Tatoulis J. Cogan's syndrome with aortitis, aortic regurgitation, and aortic arch vessel stenoses. 1991;52:1166-7,CR
- Cochrane A. *see* Rosenfeldt & Cochrane. 1991;52:345-6,CP
- Coghlan CH. *see* Holman, Coghlan, & others. 1991;52:313-5,CR
- Cohen AJ, Cleveland DC, Dyck J, Poppe D, Smallhorn J, Freedom RM, Trusler GA, Coles JG, Moes CAF, Rebeyka IM, Williams WG. Results of the Fontan procedure for patients with univentricular heart. 1991;52:1266-71*
- Cohen A. *see* Edwards, Hale, & others. 1991;52:1127-31*
- Cole FH Jr, Cole FH, Duckworth HK. Mediastinal emphysema secondary to dental restoration. 1991;52:139-40,CR
- Cole FH. *see* Cole, Cole, & others. 1991;52:139-40,CR
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- Cooley DA, Lewis CTP. Blood saving in Jehovah's Witnesses. Reply. 1991;52:900,CP
- Cooley DA. *see* Duncan, Baldwin, & others. 1991;52:1342-3,HW
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- Crawford FA Jr. Left ventricular aneurysm. 1991;52:173-4,KR
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- Curiale S, Rosenfeld LE, Elefteriades JA. Cosmetic approach for placement of the automatic implantable cardioverter-defibrillator in young women. 1991;52:1340-1,HW
- Curtis JJ. *see* Landreneau, Marshall, & others. 1991;52:325-7,HW
- Curtis JJ. *see* Landreneau, Nawarawong, & others. 1991;52:134-6,CR
- Cuschieri A. *see* Nathanson, Shimi, & others. 1991;52:316-9,HW
- Cusimano RJ, Ashe KA, Chin ID, Chi P, Abel JG, Lichtenstein SV, Salerno TA. Myocardial protection in the hypertrophied right ventricle. 1991;52:934-8*
- Da Costa PE. *see* Satur, Robertson, & others. 1991;52:122-6*
- Daggett WM. *see* Geffin, Reynolds, & others. 1991;52:955-64*
- Dalous P. *see* Vanleeuw, Roux, & others. 1991;52:518-22*
- Daniëls O. *see* van Son, Daniëls, & others. 1991;52:581,CP
- Danielson GK. Damus-Stansel-Kaye procedure: personal observations. 1991;52:1033-5,ED
- Danielson GK. *see* Cohen, Cleveland, & others. 1991;52:1266-71,DI
- Dapper F. *see* Hehrlein, Netz, & others. 1991;52:112-7*
- Das DK. *see* Engelman, Rousou, & others. 1991;52:918-26*
- Das DK. *see* Rao, Liu, & others. 1991;52:908-12*
- Daube D. *see* Kessler, Follis, & others. 1991;52:861-2,CR
- Dave J. *see* Bonser, Dave, & others. 1991;52:541-3,CR
- David T. *see* Guiraudon, Ofiesh, & others. 1991;52:1058-62,DI
- Davies E. *see* Bonser, Dave, & others. 1991;52:541-3,CR
- Davies GA. *see* Butterfield, Fisher, & others. 1991;52:815-20*
- de Buitelir M. *see* Bolling, Morady, & others. 1991;52:461-8*
- de Groot M. *see* von Oppell, de Groot, & others. 1991;52:1168-70,CR
- de la Rivière AB. *see* Van Schil, de la Rivière, & others. 1991;52:1096-101*
- de Leval MR. *see* Stark, de Leval, & others. 1991;52:1368-9,CP
- De Paulis R. *see* Deleuze, Saada, & others. 1991;52:137-8,CR
- Deaton DW. *see* Rousou, Engelman, & others. 1991;52:877-8,HW
- Decker MD. *see* Coltharp, Decker, & others. 1991;52:225-9*
- Defauw JJ. *see* Van Schil, de la Rivière, & others. 1991;52:1096-101*
- del Nido PJ. *see* Siewers, Ettedgui, & others. 1991;52:608-14*
- DeLeon SY, Ilbawi MN, Egel RT, Miller PE, Obeid MY, Podorovsky L, Quinones JA, Sulayman RF. Perioperative spinal canal narrowing in patients with Down's syndrome. 1991;52:1325-8,CR
- DeLeon SY, Ilbawi MN, Tubeszewski K, Wilson WR Jr, Idriss FS. The Damus-Stansel-Kaye procedure: anatomical determinants and modifications. 1991;52:680-7*
- DeLeon SY, Ilbawi MN, Tubeszewski K, Wilson WR Jr, Quinones JA, Roberson DA, Sulayman RF. Resternotomy in patients with valved conduits adherent to the sternum. 1991;52:569-71,HW
- DeLeon SY, Ilbawi MN, Wilson WR Jr, Arcilla RA, Thilenius OG, Bharati S, Lev M, Idriss FS. Surgical options in subaortic stenosis associated with endocardial cushion defects. 1991;52:1076-83*
- DeLeon SY. *see* Ilbawi, DeLeon, & others. 1991;52:842-9*
- DeLeon SY. *see* Ilbawi, DeLeon, & others. 1991;52:663-8*
- Deleuze P, Saada M, De Paulis R, Brochard L, Mazzucotelli JP, Rotman N, Loisanse DY, Cachera JP. Intraoperative transesophageal echocardiography for pulmonary embolectomy without cardiopulmonary bypass. 1991;52:137-8,CR
- Deleuze PH. *see* Loisanse, Lordez, & others. 1991;52:474-8*
- Deloche A. *see* Jebara, Acar, & others. 1991;52:897-8,CP
- DeMeester TR. *see* Rosengart, Martini, & others. 1991;52:773-9,DI
- DeMeester TR. *see* Klingman, Angelillo, & others. 1991;52:576-80,CV
- Demeulemeester A. *see* Masuda, Demeulemeester, & others. 1991;52:1300-5*
- Demmy TL, Magovern JA, Kao RL, Magovern GJ. Resuscitation of injured myocardium with adenosine and biventricular assist. 1991;52:1044-51*
- Dervanian P. *see* El Asmar, Acker, & others. 1991;52:66-9*
- Desai JB. *see* Ohri, Desai, & others. 1991;52:826-31*
- Deschamps C. *see* St-Georges, Deslauriers, & others. 1991;52:6-13*
- Deslauriers J. *see* St-Georges, Deslauriers, & others. 1991;52:6-13*
- Deslauriers J. *see* Van Schil, de la Rivière, & others. 1991;52:1096-101,DI
- DeValeria PA, Baumgartner WA, Casale AS, Greene PS, Cameron DE, Gardner TJ, Gott VL, Watkins L Jr, Reitz BA. Current indications, risks, and outcome after pericardiectomy. 1991;52:219-24*
- Devine WA. *see* Anderson, Devine, & others. 1991;52:640-6*
- DeWeese JA. *see* Connery, DeWeese, & others. 1991;52:1281-4*
- DeWitt DS. *see* Johnston, Vinten-Johansen, & others. 1991;52:479-89*
- DeWitt PL. *see* Galbut, Traad, & others. 1991;52:20-8*
- di Carlo DC, Di Donato RM, Carotti A, Ballerini L, Marcelletti C. Evaluation of the Damus-Kaye-Stansel operation in infancy. 1991;52:1148-53*
- Di Donato RM. *see* di Carlo, Di Donato, & others. 1991;52:1148-53*
- Diaz del Castillo R. *see* Miralles, Bracamonte, & others. 1991;52:886-95,CV
- Dick M. *see* Bolling, Morady, & others. 1991;52:461-8*
- Diehl W. *see* Burt, Diehl, & others. 1991;52:1222-9*
- Dignan RJ. *see* Dyke, Lee, & others. 1991;52:750-8*
- Dills MS. *see* Wagner, Slivko, & others. 1991;52:51-8*
- Ding M. *see* Dyke, Yeh, & others. 1991;52:14-9*
- DiSesa VJ. *see* Demmy, Magovern, & others. 1991;52:1044-51,DI
- Dobell ARC. Resternotomy in patients with valved conduits adherent to the sternum. 1991;52:571,IC
- Dodson MR. *see* Holman, Coghlan, & others. 1991;52:313-5,CR
- Doi O. *see* Kodama, Doi, & others. 1991;52:855-7,CR
- Dorman MJ. *see* Galbut, Traad, & others. 1991;52:20-8*
- Dresler CM. *see* Kaiser, Pasque, & others. 1991;52:438-46*
- Dreyfus G, Jebara V, Mihaileanu S, Carpentier AF. Total orthotopic heart transplantation: an alternative to the standard technique. 1991;52:1181-4,HW
- Drinkwater DC Jr. *see* Jeevanandam, Barr, & others. 1991;52:1213-6,DI
- Drinkwater DC Jr. *see* Pearl, Laks, & others. 1991;52:780-6*
- Drinkwater DC. *see* Laks, Pearl, & others. 1991;52:1084-95*
- Drinkwater DC. *see* Pearl, Laks, & others. 1991;52:189-96*
- Du Toit EF. *see* von Oppell, King, & others. 1991;52:903-7*
- Dubois-Rande J-L. *see* Loisanse, Lordez, & others. 1991;52:474-8*
- Duckworth HK. *see* Cole, Cole, & others. 1991;52:139-40,CR
- Dudas LM. *see* Johnston, Robertie, & others. 1991;52:797-804*
- Duncan GD. *see* Robicsek, Duncan, & others. 1991;52:74-7*
- Duncan JM, Baldwin RT, Caralis JP, Cooley DA. Subclavian vein-to-right atrial bypass for symptomatic venous hypertension. 1991;52:1342-3,HW
- Duncan JM, Baldwin RT, Igo SR, Frazier OH. Myocardium-sparing cannulation technique for left ventricular assist device support. 1991;52:565-6,HW
- Duncan JM. *see* Baldwin, Duncan, & others. 1991;52:865-7,CR
- Duran C, Kumar N, Gometza B, Halees ZA. Indications and limitations of aortic valve reconstruction. 1991;52:447-54*
- Duranceau A. *see* St-Georges, Deslauriers, & others. 1991;52:6-13*
- Dyck J. *see* Cohen, Cleveland, & others. 1991;52:1266-71*

- Dyke CM, Lee KF, Parmar J, Dignan RJ, Yeh T Jr, Abd-Elfattah A, Wechsler AS. Inotropic stimulation and oxygen consumption in a canine model of dilated cardiomyopathy. 1991;52:750-8*
- Dyke CM, Yeh T Jr, Lehman JD, Abd-Elfattah A, Ding M, Wechsler AS, Salter DR. Triiodothyronine-enhanced left ventricular function after ischemic injury. 1991;52:14-9*
- Edmondson SJ. *see* John, Edmondson, & others. 1991;52:157-8,HW
- Edmunds LH Jr. *see* Dyke, Lee, & others. 1991;52:750-8,DI
- Edmunds LH Jr. *see* Furukawa, Kreiner, & others. 1991;52:1063-8*
- Edmunds LH. *see* Demmy, Magovern, & others. 1991;52:1044-51,DI
- Edwards FH, Hale D, Cohen A, Thompson L, Pezzella AT, Virmani R. Primary cardiac valve tumors. 1991;52:1127-31*
- Edwards FH, Taylor AJ, Thompson L, Rogan KM, Pezzella AT, Burge JR, Hetzler N. Current status of coronary artery operation in septuagenarians. 1991;52:265-9*
- Edwards FH. *see* Wagner, Slivko, & others. 1991;52:51-8*
- Efstratiadis T, Munsch C, Crossman D, Taylor K. Aprotinin used in emergency coronary operation after streptokinase treatment. 1991;52:1320-1,CR
- Efthimiou J, Butler J, Woodham C, Benson MK, Westaby S. Diaphragm paralysis following cardiac surgery: role of phrenic nerve cold injury. 1991;52:1005-8*
- Egan TM, Lambert CJ Jr, Reddick R, Ulicny KS Jr, Keagy BA, Wilcox BR. A strategy to increase the donor pool: use of cadaver lungs for transplantation. 1991;52:1113-21*
- Egan TM. *see* Kaiser, Pasque, & others. 1991;52:438-46,DI
- Egel RT. *see* DeLeon, Ilbawi, & others. 1991;52:1325-8,CR
- Eigler N. *see* Blanche, Eigler, & others. 1991;52:141-2,CR
- Eisenberg BK. *see* Connery, DeWeese, & others. 1991;52:1281-4*
- El Asmar B, Acker M, Couetil JP, Penther PH, Carpentier A. Tricuspid valve myxoma: a rare indication for tricuspid valve repair. 1991;52:1315-6,CR
- El Asmar BE, Acker M, Couetil JP, Perier P, Dervanian P, Chauvaud S, Carpentier A. Mitral valve repair in the extensively calcified mitral valve annulus. 1991;52:66-9*
- Elami A. *see* Milgalter, Laks, & others. 1991;52:567-8,HW
- Elefteriades JA. *see* Curiale, Rosenfeld, & others. 1991;52:1340-1,HW
- Elkins RC. *see* Bailey & Watson. 1991;52:33-7,DI
- Elliott MJ. *see* Stark, de Leval, & others. 1991;52:1368-9,CP
- Ellis JE. *see* Aronson, Lee, & others. 1991;52:810-4*
- Emery RW. *see* Brack, Olson, & others. 1991;52:1306-9*
- Engelman RM. Introduction. 1991;52:902*
- Engelman RM, Rousou JA, Iyengar J, Das DK. Captopril, an ACE inhibitor, for optimizing reperfusion after acute myocardial infarction. 1991;52:918-26*
- Engelman RM. *see* Demmy, Magovern, & others. 1991;52:1044-51,DI
- Engelman RM. *see* Furukawa, Kreiner, & others. 1991;52:1063-8,DI
- Engelman RM. *see* Lichtenstein, Abel, & others. 1991;52:455-60,DI
- Engelman RM. *see* Rousou, Engelman, & others. 1991;52:877-8,HW
- Eskelinen M, Kosma V-M, Vainio J. Mesenchymoma of the chest wall in children. 1991;52:291-3,CR
- Etienne J. *see* Lozac'h, Topart, & others. 1991;52:1154-7*
- Ettegui J. *see* Siewers, Ettegui, & others. 1991;52:608-14*
- Faber LP. *see* Vester, Faber, & others. 1991;52:1253-8*
- Fanning WJ, Thomas CS Jr, Roach A, Tomichek R, Alford WC, Stoney WS Jr. Prophylaxis of atrial fibrillation with magnesium sulfate after coronary artery bypass grafting. 1991;52:529-33*
- Faulkner SL. *see* Gorenstein, Putnam, & others. 1991;52:204-10,DI
- Feilberg VL. *see* Campanella, Cameron, & others. 1991;52:245-9*
- Feinstein SB. *see* Aronson, Lee, & others. 1991;52:810-4*
- Fellenius E. *see* Mjøs, Ichihara, & others. 1991;52:965-70*
- Ferguson MK. Achalasia: current evaluation and therapy. 1991;52:336-42,CV
- Fernandez J. *see* Laub, Muralidharan, & others. 1991;52:850-1,CR
- Ferson PF. *see* Landreneau, Herlan, & others. 1991;52:1176-8,CR
- Fessler CL. *see* Ravichandran, Kelly, & others. 1991;52:1208,CP
- Fieger HG Jr. *see* Williams, Rainer, & others. 1991;52:1069-75*
- Finley R. *see* Casson, Powe, & others. 1991;52:1207-8,CP
- Fiore AC, Naunheim KS, Moskoff ME, Langreder SK, Barner HB. Right atrial versus aortic root perfusion with blood cardioplegia. 1991;52:1014-20*
- Fiore AC. *see* Barner, Naunheim, & others. 1991;52:429-37*
- Fischer VW. *see* Barner, Naunheim, & others. 1991;52:429-37*
- Fisher J. *see* Butterfield, Fisher, & others. 1991;52:815-20*
- Fitzgerald JT. *see* Levitsky & Fitzgerald. 1991;52:413*
- Fitzpatrick KC. *see* Mitchell, Pollock, & others. 1991;52:1138-40*
- Flack JE III. *see* Rousou, Engelman, & others. 1991;52:877-8,HW
- Flameng W. *see* Masuda, Demeulemeester, & others. 1991;52:1300-5*
- Flanagan TL. *see* Chan, Fleischer, & others. 1991;52:1230-6*
- Flanagan T. *see* Hobson, Teague, & others. 1991;52:1295-9*
- Fleischer KJ. *see* Chan, Fleischer, & others. 1991;52:1230-6*
- Fleming WH. Reoperations after Konno aortoventriculoplasty. 1991;52:661-2,IC
- Foker JE. *see* Irwin, Braunlin, & others. 1991;52:632-9*
- Follette DM. *see* Sheppard, Milliken, & others. 1991;52:59-65*
- Follis F. *see* Kessler, Follis, & others. 1991;52:861-2,CR
- Ford EG, Baisden CE, Matteson ML, Picone AL. Sepsis after coronary bypass grafting: evidence for loss of the gut mucosal barrier. 1991;52:514-7*
- Forrester-Wood CP. *see* Hucker, Bhatnagar, & others. 1991;52:1145-7*
- Forster DA, Hauptert MS. Large mediastinal mass secondary to an aortocoronary saphenous vein bypass graft aneurysm. 1991;52:547-8,CR
- Foster R. *see* Loop, Foster, & others. 1991;52:320-1,HW
- Fournial G. *see* Vanleeuw, Roux, & others. 1991;52:518-22*
- Frapier J-M. *see* Séguin, Frapier, & others. 1991;52:745-9*
- Frater RWM. *see* Guiraudon, Ofiesh, & others. 1991;52:1058-62,DI
- Frater RWM. *see* Hendren, Nemec, & others. 1991;52:1246-52,DI
- Frazier OH. *see* Baldwin, Duncan, & others. 1991;52:865-7,CR
- Frazier OH. *see* Duncan, Baldwin, & others. 1991;52:565-6,HW
- Frazier OH. *see* Wampler, Frazier, & others. 1991;52:506-13*
- Freedom RM, Trusler GA. Arterial switch for palliation of sub-aortic stenosis in single ventricle and transposition: no mean feat! 1991;52:415-6,ED
- Freedom RM. *see* Cohen, Cleveland, & others. 1991;52:1266-71*
- Freedom RM. *see* Mullen, Razzouk, & others. 1991;52:1164-6,CR
- Fremes SE, Li R-K, Weisel RD, Mickle DAG, Furukawa RD, Tumati LC. The limits of cardiac preservation with University of Wisconsin solution. 1991;52:1021-5*
- Fry WA. *see* Vester, Faber, & others. 1991;52:1253-8,DI
- Fukunaka M. *see* Kato, Otani, & others. 1991;52:979-86*
- Fullerton DA, St. Cyr JA, Clarke DR, Campbell DN, Toews WH, See WM. Bezold-Jarisch reflex in postoperative pediatric cardiac surgical patients. 1991;52:534-6*
- Fullerton DA. *see* St. Cyr, Fullerton, & others. 1991;52:1344-5,HW
- Furnary AP. *see* Magovern, Furnary, & others. 1991;52:1259-65*
- Furukawa K. *see* Kuwahara, Ohteki, & others. 1991;52:549-51,CR

- Furukawa RD. *see* Fremes, Li, & others. 1991;52:1021-5*
- Furukawa S, Kreiner G, Bavaria JE, Streicher JT, Edmunds LH Jr. Recovery of oxygen utilization efficiency after global myocardial ischemia. 1991;52:1063-8*
- Furuta S. *see* Takayama, Suma, & others. 1991;52:322-4,HW
- Furuya K. *see* Mori, Furuya, & others. 1991;52:1322-4,CR
- Gaer JAR. *see* Ohri, Desai, & others. 1991;52:826-31*
- Galbut DL, Traad EA, Dorman MJ, DeWitt PL, Larsen PB, Kurlansky PA, Button JH, Ally JM, Gentsch TO. Bilateral internal mammary artery grafts in reoperative and primary coronary bypass surgery. 1991;52:20-8*
- Galdieri RJ. *see* Amato, Galdieri, & others. 1991;52:615-20*
- Gallino A. *see* Carrel, Niederhäuser, & others. 1991;52:805-9*
- Gallucci V. *see* Bortolotti, Milano, & others. 1991;52:84-91*
- Galvin IF. Mammary artery grafts. Reply. 1991;52:899,CP
- Galvin IF, Buckels NJ, Campbell NP, Cleland J. Long-term function in University of Cape Town prostheses in the tricuspid position. 1991;52:552-4,CR
- Gandjbackhch I. *see* Miralles, Bracamonte, & others. 1991;52:886-95,CV
- Garcia E. *see* von Segesser, Garcia, & others. 1991;52:560-1,CR
- Gardner TJ. *see* DeValeria, Baumgartner, & others. 1991;52:219-24*
- Gardner TJ. *see* Furukawa, Kreiner, & others. 1991;52:1063-8,DI
- Garg A. *see* Novick, Menkis, & others. 1991;52:1317-9,CR
- Gay WA Jr. *see* Richenbacher, Karwande, & others. 1991;52:871-3,CR
- Gaya H. *see* Bonser, Dave, & others. 1991;52:541-3,CR
- Geffin GA, Reynolds TR, Titus JS, O'Keefe DD, Daggett WM. Relation of myocardial protection to cardioplegic solution pH: modulation by calcium and magnesium. 1991;52:955-64*
- Geha AS. *see* Auteri, Jeevanandam, & others. 1991;52:1052-7,DI
- Gentsch TO. *see* Galbut, Traad, & others. 1991;52:20-8*
- George BL. *see* Laks, Pearl, & others. 1991;52:1084-95*
- George BL. *see* Pearl, Laks, & others. 1991;52:189-96*
- George B. *see* Pearl, Laks, & others. 1991;52:780-6*
- George L. *see* Lamberti, Mainwaring, & others. 1991;52:676-9*
- Gheissari A, Hordof AJ, Spotnitz HM. Transvenous pacemakers in children: relation of lead length to anticipated growth. 1991;52:118-21*
- Ghosn P. *see* Rosengart, Martini, & others. 1991;52:773-9*
- Giacobetti F. *see* Pearl, Laks, & others. 1991;52:780-6*
- Gibson RS. *see* Chan, Fleischer, & others. 1991;52:1230-6*
- Gilbert R. *see* Kohman, Auchincloss, & others. 1991;52:102-6*
- Ginsberg RJ. *see* Burt, Diehl, & others. 1991;52:1222-9*
- Ginsberg RJ. *see* Mathisen, Grillo, & others. 1991;52:759-65,DI
- Ginsberg RJ. *see* Newton, Grillo, & others. 1991;52:1272-80,DI
- Ginsberg RJ. *see* Van Schil, de la Rivière, & others. 1991;52:1096-101,DI
- Glassford DM Jr. *see* Coltharp, Decker, & others. 1991;52:225-9*
- Glock Y. *see* Vanleeuw, Roux, & others. 1991;52:518-22*
- Glover MU. *see* Goldman, Glover, & others. 1991;52:296-9,CR
- Gobel FL. *see* Brack, Olson, & others. 1991;52:1306-9*
- Goble M. *see* Pomerantz, Madsen, & others. 1991;52:1108-12*
- Goldbach M. *see* Menkis, McKenzie, & others. 1991;52:722-3*
- Goldenberg IF. *see* Brack, Olson, & others. 1991;52:1306-9*
- Golding LAR. *see* Wampler, Frazier, & others. 1991;52:506-13*
- Goldman AP, Glover MU, Mick W, Pupello DF, Hiro SP, Lopez-Cuenca E, Maniscalco BS. Role of echocardiography/Doppler in cardiogenic shock: silent mitral regurgitation. 1991;52:296-9,CR
- Gometza B. *see* Duran, Kumar, & others. 1991;52:447-54*
- Gorenstein LA, Putnam JB Jr, Natarajan G, Balch CA, Roth JA. Improved survival after resection of pulmonary metastases from malignant melanoma. 1991;52:204-10*
- Gott VL, Pyeritz RE, Cameron DE, Greene PS, McKusick VA. Composite graft repair of Marfan aneurysm of the ascending aorta: results in 100 patients. 1991;52:38-45*
- Gott VL. *see* DeValeria, Baumgartner, & others. 1991;52:219-24*
- Götze O. *see* Mollnes, Videm, & others. 1991;52:92-7*
- Graeber GM. *see* Sargent, Seyfer, & others. 1991;52:490-4*
- Graham TP Jr. *see* Merrill, Hammon, & others. 1991;52:29-32*
- Greeley WJ, Ungerleider RM. Assessing the effect of cardiopulmonary bypass on the brain. 1991;52:417-9,ED
- Greene PS. *see* DeValeria, Baumgartner, & others. 1991;52:219-24*
- Greene PS. *see* Gott, Pyeritz, & others. 1991;52:38-45*
- Greenfield LJ. *see* Schmid, Zietlow, & others. 1991;52:1102-7,DI
- Grillo HC. *see* Mathisen, Grillo, & others. 1991;52:759-65*
- Grillo HC. *see* Newton, Grillo, & others. 1991;52:1272-80*
- Grinda JM. *see* Jourdan, Teboul, & others. 1991;52:176,CP
- Grosso M. *see* Furukawa, Kreiner, & others. 1991;52:1063-8,DI
- Grover FL. *see* Pogrebniak, Roth, & others. 1991;52:197-203,DI
- Guelfi P. *see* Noera, Pensa, & others. 1991;52:1292-3*
- Guerraty AJ. *see* Lee, Pierce, & others. 1991;52:211-8*
- Guiraudon GM, Ofiesh JG, Kaushik R. Extended vertical transatrial septal approach to the mitral valve. 1991;52:1058-62*
- Guiraudon GM. *see* Accola, Craver, & others. 1991;52:738-44,DI
- Guiraudon G. *see* Lowe, Anstadt, & others. 1991;52:1237-45,DI
- Guyton RA. *see* Accola, Craver, & others. 1991;52:738-44*
- Guyton RA. *see* Dyke, Lee, & others. 1991;52:750-8,DI
- Guyton RA. *see* Wampler, Frazier, & others. 1991;52:506-13*
- Guyton SW. *see* Vester, Faber, & others. 1991;52:1253-8,DI
- Haas GS. *see* Laks, Pearl, & others. 1991;52:1084-95*
- Hale D. *see* Edwards, Hale, & others. 1991;52:1127-31*
- Halees ZA. *see* Duran, Kumar, & others. 1991;52:447-54*
- Hall MH. *see* Rosenberg, Oramas, & others. 1991;52:346-7,CP
- Hallberg MB. *see* Henze, Malm, & others. 1991;52:1329-30,CR
- Haller JA. *see* Wagner, Slivko, & others. 1991;52:51-8,DI
- Haller JA Jr. *see* Bailey & Watson. 1991;52:33-7,DI
- Hammon JW Jr. *see* Merrill, Hammon, & others. 1991;52:29-32*
- Hammond GL. *see* Séguin, Frapier, & others. 1991;52:745-9,DI
- Hammond WG, Teplitz RL, Benfield JR. Lung cancer model for study of the metastatic process. 1991;52:732-7*
- Hanley FL. *see* Laks, Pearl, & others. 1991;52:1084-95,DI
- Hanley FL. *see* Pearl, Laks, & others. 1991;52:189-96,DI
- Hantler CB. Regional Anesthesia, second edition, by M. Cenz, W. Hoerster, Chr. Niesel, and H. Kreuscher, translated by Thomas J. DeKornfeld. 1991;52:158,RV
- Hara N. *see* Ichinose, Hara, & others. 1991;52:469-73*
- Harboe M. *see* Mollnes, Videm, & others. 1991;52:92-7*
- Harinck E. *see* Hitchcock, Suijker, & others. 1991;52:70-3*
- Harken AH. *see* St. Cyr, Fullerton, & others. 1991;52:1344-5,HW
- Harmantas AA. *see* Teoh, Panos, & others. 1991;52:564,HW
- Harris HH. *see* Barner, Naunheim, & others. 1991;52:429-37*
- Harris SH Jr. *see* Landreneau, Marshall, & others. 1991;52:325-7,DI
- Harrison LH. *see* Galbut, Traad, & others. 1991;52:20-8,DI
- Hartl WH, Kreuzer E, Reuschel-Janetschek E, Schmidt D, Reichart B. Pericardial mass mimicking constrictive pericarditis. 1991;52:557-9,CR
- Hashemi M. *see* Ohri, Desai, & others. 1991;52:826-31*
- Hashimoto K. *see* Matsui, Arai, & others. 1991;52:131-3,CR
- Hastillo AK. *see* Lee, Pierce, & others. 1991;52:211-8*
- Haupt MS. *see* Forster & Haupt. 1991;52:547-8,CR
- Hazelrigg SR. *see* Landreneau, Marshall, & others. 1991;52:325-7,HW
- Hearse DJ. *see* Riva & Hearse. 1991;52:987-92*
- Heath BJ, Warren ET, Nickels B. Mitral valve replacement: techniques to eliminate myocardial rupture and prevent valvular disruption. 1991;52:839-41*

- Hehrlein FW, Netz H, Moosdorf R, Dapper F, Scheld HH, Bauer J, Boldt J. Pediatric heart transplantation for congenital heart disease and cardiomyopathy. 1991;52:112-7*
- Heimansohn DA. *see* Kesler, Conces, & others. 1991;52:145-7,CR
- Heitmiller RF. Vagal schwannoma. Reply. 1991;52:1370,CP
- Hendren WG, Nemec JJ, Lytle BW, Loop FD, Taylor PC, Stewart RW, Cosgrove DM III. Mitral valve repair for ischemic mitral insufficiency. 1991;52:1246-52*
- Hendrikx M. *see* Masuda, Demeulemeester, & others. 1991;52:1300-5*
- Hendry PJ. *see* Lowe, Anstadt, & others. 1991;52:1237-45*
- Henze AC, Malm TK, Sunnegårdh JT, Hallberg MB. Aplasia of the right aortic cusp in a neonate: a life-threatening but curable anomaly. 1991;52:1329-30,CR
- Herlan DB. *see* Landreneau, Herlan, & others. 1991;52:1176-8,CR
- Hess ML. *see* Lee, Pierce, & others. 1991;52:211-8*
- Hetzler N. *see* Edwards, Taylor, & others. 1991;52:265-9*
- Hider C. *see* Campanella, Cameron, & others. 1991;52:245-9*
- Hiebert CA. Surgical management of esophageal reflux and hiatal hernia. 1991;52:159-60,CL
- Hiebert CA. *see* Landreneau, Marshall, & others. 1991;52:325-7,DI
- Higashiyama M. *see* Kodama, Doi, & others. 1991;52:855-7,CR
- Higgins RSD, Stahl R, Baldwin JC. Skin grafting for repair of a cardiac laceration. 1991;52:1161-3,CR
- Hilgenberg AD. *see* Mathisen, Grillo, & others. 1991;52:759-65*
- Hinson RM. *see* Sargent, Seyfer, & others. 1991;52:490-4*
- Hiro SP. *see* Goldman, Glover, & others. 1991;52:296-9,CR
- Hitchcock JF, Suijker WJL, Ksiezzycka E, Harinck E, van Mill GJ, Ruzyllo W, Borman F, Meijboom EJ. Management of ventricular septal defect with associated aortic incompetence. 1991;52:70-3*
- Ho SY. *see* Anderson, Devine, & others. 1991;52:640-6*
- Hobson CE, Teague WG, Tribble CG, Mills SE, Chan B, Agee J, Flanagan T, Kron IL. Denervation of transplanted porcine lung causes airway obstruction. 1991;52:1295-9*
- Holland FW II, Brown PS Jr, Weintraub BD, Clark RE. Cardiopulmonary bypass and thyroid function: a "euthyroid sick syndrome". 1991;52:46-50*
- Hollinger J. *see* Sargent, Seyfer, & others. 1991;52:490-4*
- Holman WL, Coghlan CH, Dodson MR, Balal R, Nanda NC. Removal of massive right atrial thrombus guided by transesophageal echocardiography. 1991;52:313-5,CR
- Honnekeri ST, Tendolkar AG. Diuresis in hemodynamically compromised patients. 1991;52:585,CP
- Hopkins RA, Louis JS, Corcoran PC. Ross' first homograft replacement of the aortic valve. 1991;52:1190-3,CL
- Hordof AJ. *see* Gheissari, Hordof, & others. 1991;52:118-21*
- Horikoshi S. *see* Matsui, Arai, & others. 1991;52:131-3,CR
- Horowitz J, Kline DG, Keller SM. Schwannoma of the brachial plexus mimicking an apical lung tumor. 1991;52:555-6,CR
- Horváth OP, Oláh T, Zentai G. Emergency esophagogastrctomy for treatment of hydrochloric acid injury. 1991;52:98-101*
- Hosokawa Y. *see* Yamaguchi, Tsukube, & others. 1991;52:310-2,CR
- Houck JP. *see* Panos, Houck, & others. 1991;52:1205-6,CP
- Hsu R-B. *see* Chu, Huang, & others. 1991;52:791-8*
- Huang T-S. *see* Chu, Huang, & others. 1991;52:791-8*
- Hucker J, Bhatnagar NK, Al-Jilaihawi AN, Forrester-Wood CP. Thoracoscopy in the diagnosis and management of recurrent pleural effusions. 1991;52:1145-7*
- Husayni TS. *see* Ilbawi, DeLeon, & others. 1991;52:842-9*
- Husayni TS. *see* Ilbawi, DeLeon, & others. 1991;52:663-8*
- Icenogle TB. *see* Saigenji, Kaneko, & others. 1991;52:107-11*
- Ichihara K. *see* Mjøs, Ichihara, & others. 1991;52:965-70*
- Ichikawa H. *see* Komai, Yamamoto, & others. 1991;52:927-33*
- Ichinose Y, Hara N, Ohta M, Kuda T, Asoh H, Chikama H. DNA ploidy patterns of tumors diagnosed as metachronous or recurrent lung cancers. 1991;52:469-73*
- Idriss FS. *see* DeLeon, Ilbawi, & others. 1991;52:680-7*
- Idriss FS. *see* DeLeon, Ilbawi, & others. 1991;52:1076-83*
- Igo SR. *see* Duncan, Baldwin, & others. 1991;52:565-6,HW
- Ilbawi M. *see* Karl, Watterson, & others. 1991;52:420-8,DI
- Ilbawi MN, DeLeon SY, Wilson WR Jr, Quinones JA, Roberson DA, Husayni TS, Thilenius OG, Arcilla RA. Advantages of early relief of subaortic stenosis in single ventricle equivalents. 1991;52:842-9*
- Ilbawi MN, DeLeon SY, Wilson WR Jr, Roberson DA, Husayni TS, Quinones JA, Arcilla RA. Extended aortic valvuloplasty: a new approach for the management of congenital valvar aortic stenosis. 1991;52:663-8*
- Ilbawi MN. *see* DeLeon, Ilbawi, & others. 1991;52:1325-8,CR
- Ilbawi MN. *see* DeLeon, Ilbawi, & others. 1991;52:680-7*
- Ilbawi MN. *see* DeLeon, Ilbawi, & others. 1991;52:569-71,HW
- Ilbawi MN. *see* DeLeon, Ilbawi, & others. 1991;52:1076-83*
- Imamura H. *see* Kato, Otani, & others. 1991;52:979-86*
- Inculet R. *see* Casson, Powe, & others. 1991;52:1207-8,CP
- Irwin ED, Braunlin EA, Foker JE. Staged repair of interrupted aortic arch and ventricular septal defect in infancy. 1991;52:632-9*
- Isabel-Jones J. *see* Laks, Pearl, & others. 1991;52:1084-95*
- Iseman M. *see* Pomerantz, Madsen, & others. 1991;52:1108-12*
- Isetta C. *see* Jourdan, Teboul, & others. 1991;52:176,CP
- Itoh T. *see* Kuwahara, Ohteki, & others. 1991;52:549-51,CR
- Ivanov J. *see* Teoh, Weisel, & others. 1991;52:270-5*
- Iwa T. *see* Bolling, Morady, & others. 1991;52:461-8,DI
- Iyengar J. *see* Engelman, Rousou, & others. 1991;52:918-26*
- Jamail JD. Professional liability: how a trial lawyer prepares a medical malpractice case for trial. 1991;52:362-4*
- Jamieson MPG. *see* Mitchell, Pollock, & others. 1991;52:1138-40*
- Jamieson PM. *see* Wagner, Slivko, & others. 1991;52:51-8*
- Jamieson SW. Total orthotopic heart transplantation: an alternative to the standard technique. 1991;52:1184,IC
- Jamieson WRE. *see* Qayumi, Jamieson, & others. 1991;52:1026-32*
- Jamplis RW. On practice guidelines. 1991;52:1-2*
- Jaretzki A III. Role of thoracoplasty in the treatment of chronic empyema. 1991;52:584,CP
- Jarmakani JM. *see* Laks, Pearl, & others. 1991;52:1084-95*
- Jebara VA, Acar C, Deloche A. Tricuspid and mitral valve repair. 1991;52:897-8,CP
- Jebara V. *see* Dreyfus, Jebara, & others. 1991;52:1181-4,HW
- Jeevanandam V, Barr ML, Auteri JS, Sanchez JA, Ott GY, Schenkel FA, Marboe C, Smith CR, Rose EA. University of Wisconsin solution for human donor heart preservation: initial clinical experience. 1991;52:1213-6*
- Jeevanandam V. *see* Auteri, Jeevanandam, & others. 1991;52:1052-7*
- Jenni R. *see* Segesser, Bauer, & others. 1991;52:1185-6,HW
- Jensik RJ. *see* Vester, Faber, & others. 1991;52:1253-8*
- Joffe F. *see* Vanleeuw, Roux, & others. 1991;52:518-22*
- John LCH, Edmondson SJ, Rees GM. Modified technique of internal mammary artery harvest. 1991;52:157-8,HW
- John L. *see* Bonser, Dave, & others. 1991;52:541-3,CR
- Johnson JA. *see* Landreneau, Herlan, & others. 1991;52:1176-8,CR
- Johnson JA. *see* Landreneau, Marshall, & others. 1991;52:325-7,HW
- Johnson JA. *see* Landreneau, Nawarawong, & others. 1991;52:134-6,CR
- Johnson SH. *see* O'Brien, Johnson, & others. 1991;52:182-8*
- Johnson WD. *see* Keogh, Bidstrup, & others. 1991;52:766-72,DI

- Johnston MR. *see* Hammond, Teplitz, & others. 1991;52:732-7,DI
- Johnston WE, Robertie PG, Dudas LM, Kon ND, Vinten-Johansen J. Heart rate-right ventricular stroke volume relation with myocardial revascularization. 1991;52:797-804*
- Johnston WE, Vinten-Johansen J, DeWitt DS, O'Steen WK, Stump DA, Prough DS. Cerebral perfusion during canine hypothermic cardiopulmonary bypass: effect of arterial carbon dioxide tension. 1991;52:479-89*
- Johnston WE. *see* Vinten-Johansen, Julian, & others. 1991;52:939-48*
- Jonas RA. Coarctation: do we need to resect ductal tissue? 1991;52:604-7*
- Jonas RA. The argument for one-stage repair. 1991;52:638-9,IC
- Jonas RA. Intermediate procedures after first-stage Norwood operation facilitate subsequent repair. 1991;52:696-700*
- Jones EL. *see* Accola, Craver, & others. 1991;52:738-44*
- Jones JW. *see* McLean, Beall, & others. 1991;52:1173-5,CR
- Joob A. *see* Brown, Nath, & others. 1991;52:143-4,CR
- Jourdan J, Teboul J, Grinda JM, Isetta C. Mitral valve replacement by twin Starr prostheses. 1991;52:176,CP
- Julian JS. *see* Vinten-Johansen, Julian, & others. 1991;52:939-48*
- Kadish A. *see* Bolling, Morady, & others. 1991;52:461-8*
- Kado H. *see* Nakamura, Yasui, & others. 1991;52:1285-91*
- Kadoba K. *see* Matsuda, Miyamoto, & others. 1991;52:1331-3,CR
- Kaiser LR, Pasque MK, Trulock EP, Low DE, Dresler CM, Cooper JD. Bilateral sequential lung transplantation: the procedure of choice for double-lung replacement. 1991;52:438-46*
- Kaneko M. *see* Chang-Chun, Matsuda, & others. 1991;52:495-9*
- Kaneko M. *see* Saigenji, Kaneko, & others. 1991;52:107-11*
- Kao RL. *see* Demmy, Magovern, & others. 1991;52:1044-51*
- Kao RL. *see* Magovern, Furnary, & others. 1991;52:1259-65*
- Karl TR, Watterson KG, Sano S, Mee RBB. Operations for subaortic stenosis in univentricular hearts. 1991;52:420-8*
- Karl TR. *see* Sano, Karl, & others. 1991;52:285-90*
- Karl TR. *see* Watterson, Wilkinson, & others. 1991;52:1132-7*
- Karlson KJ. *see* Schmid, Zietlow, & others. 1991;52:1102-7,DI
- Karp RB. *see* Aronson, Lee, & others. 1991;52:810-4*
- Karwande SV. *see* Richenbacher, Karwande, & others. 1991;52:871-3,CR
- Katlic MR. Intrathoracic goiter: approaching the posterior mediastinal mass. 1991;52:135-6,IC
- Kato Y, Otani H, Tanaka K, Saito Y, Fukunaka M, Imamura H. Effect of cardioplegic preservation on intracellular calcium transients. 1991;52:979-86*
- Kaushik R. *see* Guiraudon, Ofiesh, & others. 1991;52:1058-62*
- Kawashima Y. *see* Chang-Chun, Matsuda, & others. 1991;52:495-9*
- Kawashima Y. *see* Komai, Yamamoto, & others. 1991;52:927-33*
- Kay GL. *see* Hendren, Nemec, & others. 1991;52:1246-52,DI
- Kazui T, Yamada O, Yamagishi M, Watanabe N, Komatsu S. Aortic valve replacement with Omniscience and Omnicarbon valves. 1991;52:236-44*
- Keagy BA. *see* Egan, Lambert, & others. 1991;52:1113-21*
- Keller SM. *see* Horowitz, Kline, & others. 1991;52:555-6,CR
- Kelly SP. *see* Ravichandran, Kelly, & others. 1991;52:1208,CP
- Keogh BE, Bidstrup BP, Taylor KM, Sapsford RN. Angioscopic evaluation of intravascular morphology after coronary endarterectomy. 1991;52:766-72*
- Kern JA. *see* Chan, Fleischer, & others. 1991;52:1230-6*
- Keshavjee SH. *see* Olech, Keshavjee, & others. 1991;52:258-64*
- Kesler KA, Conces DJ Jr, Heimansohn DA, Mathur P. Assessing the feasibility of bronchoplastic surgery with magnetic resonance imaging. 1991;52:145-7,CR
- Kessler R, Follis F, Daube D, Wernly J. Constrictive pericarditis from *Nocardia asteroides* infection. 1991;52:861-2,CR
- Kessler R, Pett S, Wernly J. Peritoneopericardial diaphragmatic hernia discovered at coronary bypass operation. 1991;52:562-3,CR
- Khalil KG. *see* Verazin, Regal, & others. 1991;52:787-90,DI
- Killen DA, Piehler JM, Borkon AM, Reed WA. Bio-Medicus ventricular assist device for salvage of cardiac surgical patients. 1991;52:230-5*
- Kim Y. *see* Lee, Kim, & others. 1991;52:858-60,CR
- Kimblad PO, Sjöberg T, Massa G, Solem J-O, Steen S. High potassium contents in organ preservation solutions cause strong pulmonary vasoconstriction. 1991;52:523-8*
- Kimura T. *see* Mori, Furuya, & others. 1991;52:1322-4,CR
- King LM. *see* von Oppell, King, & others. 1991;52:903-7*
- Kirkpatrick SE. *see* Lamberti, Mainwaring, & others. 1991;52:676-9*
- Kirschner PA. *see* Rosengart, Martini, & others. 1991;52:773-9,DI
- Kirschner PA. *see* St-Georges, Deslauriers, & others. 1991;52:6-13,DI
- Kitade M. *see* Mori, Furuya, & others. 1991;52:1322-4,CR
- Kittle CF. *see* Vester, Faber, & others. 1991;52:1253-8*
- Kline DG. *see* Horowitz, Kline, & others. 1991;52:555-6,CR
- Klingman RR, Angelillo VA, DeMeester TR. Cystic and bullous lung disease. 1991;52:576-80,CV
- Klopper PJ. *see* Rudolph, Tukkie, & others. 1991;52:821-5*
- Knaepen PJ. *see* Van Schil, de la Rivière, & others. 1991;52:1096-101*
- Knyschov GV, Styckinsky AS, Zalevsky VP, Yaroschenko VP, Almiz PA. Surgical treatment of supraventricular tachycardia: experience with 61 patients. 1991;52:1141-4*
- Kodama K, Doi O, Higashiyama M, Yokouchi H, Tateishi R. Bronchial neurofibrosarcoma. 1991;52:855-7,CR
- Kohman LJ, Auchincloss JH, Gilbert R, Beshara M. Functional results of muscle flap closure for sternal infection. 1991;52:102-6*
- Koide A. *see* Komai, Yamamoto, & others. 1991;52:927-33*
- Komai H, Yamamoto F, Tanaka K, Ichikawa H, Shibata T, Koide A, Ohashi T, Yamamoto H, Nakashima N, Kawashima Y. Harmful effects of inotropic agents on myocardial protection. 1991;52:927-33*
- Komatsu S. *see* Kazui, Yamada, & others. 1991;52:236-44*
- Kon ND. *see* Johnston, Robertie, & others. 1991;52:797-804*
- Kosma V-M. *see* Eskelinen, Kosma, & others. 1991;52:291-3,CR
- Kostuk WJ. *see* Menkis, McKenzie, & others. 1991;52:722-3*
- Kouchoukos NT. *see* Séguin, Frapier, & others. 1991;52:745-9,DI
- Kovacs IB. *see* Ratnatunga, Rees, & others. 1991;52:250-7*
- Kreiner G. *see* Furukawa, Kreiner, & others. 1991;52:1063-8*
- Kreuzer E. *see* Hartl, Kreuzer, & others. 1991;52:557-9,CR
- Kron IL. *see* Chan, Fleischer, & others. 1991;52:1230-6*
- Kron IL. *see* Hobson, Teague, & others. 1991;52:1295-9*
- Krukenkamp IB, Levitsky S. Myocardial oxygen consumption after fibrillation in the nonhypertrophied porcine ventricle. 1991;52:949-54*
- Ksiezzycka E. *see* Hitchcock, Suijker, & others. 1991;52:70-3*
- Kuda T. *see* Ichinose, Hara, & others. 1991;52:469-73*
- Kumar N. *see* Duran, Kumar, & others. 1991;52:447-54*
- Kuratani T. *see* Chang-Chun, Matsuda, & others. 1991;52:495-9*
- Kurlansky PA. *see* Galbut, Traad, & others. 1991;52:20-8*
- Kusuhara K. *see* Okita, Miki, & others. 1991;52:1158-60,CR
- Kusuhara K. *see* Okita, Miki, & others. 1991;52:544-6,CR
- Kuwahara K, Ohteki H, Itoh T, Naitoh K, Furukawa K, Natsuaki M. Successful combined operation for Takayasu's arteritis. 1991;52:549-51,CR
- Laas J. *see* Guiraudon, Ofiesh, & others. 1991;52:1058-62,DI
- Laas J. *see* Schmid, Zietlow, & others. 1991;52:1102-7*

- Laas J. *see* Séguin, Frapier, & others. 1991;52:745-9,DI
- Lacour-Gayet F, Planché C. Indications for extended aortic arch reconstruction. 1991;52:613-4,IC
- Lacquet LK. *see* Tavilla, van Son, & others. 1991;52:1179-80,HW
- Lacquet LK. *see* van Son, Daniëls, & others. 1991;52:581,CP
- Ladowski JS, Schatzlein MH, Underhill DJ, Peterson AC. Endarterectomy, vein patch, and mammary bypass of the anterior descending artery. 1991;52:1187-9,HW
- Laks H, Pearl JM, Haas GS, Drinkwater DC, Milgalter E, Jarmakani JM, Isabel-Jones J, George BL, Williams RG. Partial Fontan: advantages of an adjustable interatrial communication. 1991;52:1084-95*
- Laks H. *see* Milgalter & Laks. 1991;52:1337-9,HW
- Laks H. *see* Milgalter & Laks. 1991;52:874-6,HW
- Laks H. *see* Milgalter, Laks, & others. 1991;52:567-8,HW
- Laks H. *see* Pearl, Laks, & others. 1991;52:780-6*
- Laks H. *see* Pearl, Laks, & others. 1991;52:189-96*
- Lamb D. *see* Campanella, Cameron, & others. 1991;52:245-9*
- Lambert CJ. *see* Gott, Pyeritz, & others. 1991;52:38-45,DI
- Lambert CJ Jr. *see* Egan, Lambert, & others. 1991;52:1113-21*
- Lamberti JJ. Staged repair of interrupted aortic arch. 1991;52:637,IC
- Lamberti JJ, Mainwaring RD, Waldman JD, George L, Mathewson JW, Spicer RL, Kirkpatrick SE. The Damus-Fontan procedure. 1991;52:676-9*
- Lamm RD. The brave new world of health care. 1991;52:369-84*
- Landreneau RJ. Ultrasonic lung suction: where to next? 1991;52:728-9,ED
- Landreneau RJ, Herlan DB, Johnson JA, Boley TM, Nawarawong W, Ferson PF. Thoracoscopic neodymium:yttrium-aluminum garnet laser-assisted pulmonary resection. 1991;52:1176-8,CR
- Landreneau RJ, Marshall JB, Johnson JA, Boley TM, Hazelrigg SR, Curtis JJ, McClelland RN. A new balanced operation for complex gastroesophageal reflux disease. 1991;52:325-7,HW
- Landreneau RJ, Nawarawong W, Boley TM, Johnson JA, Curtis JJ. Intrathoracic goiter: approaching the posterior mediastinal mass. 1991;52:134-6,CR
- Landreneau RJ. *see* Verazin, Regal, & others. 1991;52:787-90,DI
- Langberg J. *see* Bolling, Morady, & others. 1991;52:461-8*
- Lange HW. *see* Brack, Olson, & others. 1991;52:1306-9*
- Langreder SK. *see* Fiore, Naunheim, & others. 1991;52:1014-20*
- Langston HT. Thoracoplasty: the how and the why. 1991;52:1351-3,CL
- Lansing AM. *see* Wampler, Frazier, & others. 1991;52:506-13*
- Larsen PB. *see* Galbut, Traad, & others. 1991;52:20-8*
- Laub GW, Muralidharan S, Naidech H, Fernandez J, Adkins M, McGrath LB. Percutaneous transluminal subclavian angioplasty in a patient with postoperative angina. 1991;52:850-1,CR
- Laub GW, Olivencia-Yurvati AH, Muralidharan S, Morse D, Pollock SB, Adkins M, McGrath LB. Permanent transfemoral pacemaker insertion after repair of congenital heart disease. 1991;52:148-50,CR
- Lazar HL, Rivers S, Cambrils M, Bernard S, Shemin RJ. Continuous versus intermittent cardioplegia in the presence of a coronary occlusion. 1991;52:913-7*
- Lea JW IV. *see* Coltharp, Decker, & others. 1991;52:225-9*
- Lee BK. *see* Aronson, Lee, & others. 1991;52:810-4*
- Lee J, Kim Y, Yun Y, Rho J, Suh K. Anatomically corrected malposition of the great arteries. 1991;52:858-60,CR
- Lee KF, Pierce JD, Hess ML, Hastillo AK, Wechsler AS, Guerraty AJ. Cardiac transplantation with corticosteroid-free immunosuppression: long-term results. 1991;52:211-8*
- Lee KF. *see* Dyke, Lee, & others. 1991;52:750-8*
- Lehman JD. *see* Dyke, Yeh, & others. 1991;52:14-9*
- Lellouche D. *see* Loisanse, Lordez, & others. 1991;52:474-8*
- Lemmer JH Jr. Surgical cure of cardiac arrhythmia. 1991;52:572-5,CL
- Lev M. *see* DeLeon, Ilbawi, & others. 1991;52:1076-83*
- Levinson M. *see* O'Brien, Johnson, & others. 1991;52:182-8,DI
- Levitsky S, Fitzgerald JT. The Society of Thoracic Surgeons Coding Workshop: results and conclusions. 1991;52:413*
- Levitsky S. *see* Krukenkamp & Levitsky. 1991;52:949-54*
- Lewis CTP. *see* Cooley & Lewis. 1991;52:900,CP
- Li R-K. *see* Fremes, Li, & others. 1991;52:1021-5*
- Lichtenstein SV, Abel JG, Panos A, Slutsky AS, Salerno TA. Warm heart surgery: experience with long cross-clamp times. 1991;52:1009-13*
- Lichtenstein SV, Abel JG, Salerno TA. Warm heart surgery and results of operation for recent myocardial infarction. 1991;52:455-60*
- Lichtenstein SV. *see* Cusimano, Ashe, & others. 1991;52:934-8*
- Lichtenstein SV. *see* Panos, Houck, & others. 1991;52:1205-6,CP
- Lichtenstein SV. *see* Teoh, Panos, & others. 1991;52:564,HW
- Lick S, Copeland JG, Rosado LJ, Sethi G, Smith RG, Cleavinger M. Long-term bridge to transplantation with the Symbion acute ventricular assist device system. 1991;52:308-9,CR
- Liddicoat JR. *see* Aronson, Lee, & others. 1991;52:810-4*
- Lincoln C, Anderson RH. Nomenclatura obscura: subaortic obstruction in double-inlet left ventricle and related lesions. 1991;52:730-1,ED
- Liu X. *see* Rao, Liu, & others. 1991;52:908-12*
- LoCicero J III. *see* Verazin, Regal, & others. 1991;52:787-90,DI
- Lodi R. *see* Noera, Pensa, & others. 1991;52:1292-3*
- Logan RW. *see* Mitchell, Pollock, & others. 1991;52:1138-40*
- Loisanse DY, Lordez JM, Deleuze PH, Dubois-Rande J-L, Lellouche D, Cachera J-P. Acute postinfarction septal rupture: long-term results. 1991;52:474-8*
- Loisanse DY. *see* Deleuze, Saada, & others. 1991;52:137-8,CR
- Loop FD, Foster R, Ogella D, Teplitsky D. Integrated pump switch for antegrade/retrograde cardioplegia. 1991;52:320-1,HW
- Loop FD, Lytle BW, Cosgrove DM. Bilateral internal thoracic artery grafting in reoperations. 1991;52:3-4,ED
- Loop FD. *see* Hendren, Nemec, & others. 1991;52:1246-52*
- Lopez-Cuenca E. *see* Goldman, Glover, & others. 1991;52:296-9,CR
- Lordez JM. *see* Loisanse, Lordez, & others. 1991;52:474-8*
- Louie H. *see* Milgalter, Laks, & others. 1991;52:567-8,HW
- Louis JS. *see* Hopkins, Louis, & others. 1991;52:1190-3,CL
- Love J. Mammary artery grafts. 1991;52:899,CP
- Low DE. *see* Kaiser, Pasque, & others. 1991;52:438-46*
- Lowe JE, Anstadt MP, Van Trigt P, Smith PK, Hendry PJ, Plunkett MD, Andstadt GL. First successful bridge to cardiac transplantation using direct mechanical ventricular actuation. 1991;52:1237-45*
- Lowe JE. *see* Bolling, Morady, & others. 1991;52:461-8,DI
- Lozac'h P, Topart P, Etienne J, Charles JF. Ivor Lewis operation for epidermoid carcinoma of the esophagus. 1991;52:1154-7*
- Lupinetti FM. Review of Management of Cardiothoracic Trauma, edited by Stephen Z. Turney, Aurelio Rodriguez, and R. Adams Cowley. 1991;52:69,RV
- Lupinetti FM. *see* Bolling, Morady, & others. 1991;52:461-8*
- Lytle BW. *see* Hendren, Nemec, & others. 1991;52:1246-52*
- Lytle BW. *see* Loop, Lytle, & others. 1991;52:3-4,ED
- Madsen L. *see* Pomerantz, Madsen, & others. 1991;52:1108-12*
- Maggi G, Ruffini E. Thymoma. Reply. 1991;52:175-6,CP
- Magovern GF. *see* Dyke, Lee, & others. 1991;52:750-8,DI
- Magovern GJ. *see* Demmy, Magovern, & others. 1991;52:1044-51*
- Magovern GJ. *see* Magovern, Furnary, & others. 1991;52:1259-65*

- Magovern JA. Diuresis in hemodynamically compromised patients. Reply. 1991;52:585,CP
- Magovern JA, Furnary AP, Christlieb IY, Kao RL, Magovern GJ. Bilateral latissimus dorsi cardiomyoplasty. 1991;52:1259-65*
- Magovern JA. *see* Demmy, Magovern, & others. 1991;52:1044-51*
- Maguire FE. *see* Walker & Maguire. 1991;52:1370,CP
- Mainwaring RD. *see* Lamberti, Mainwaring, & others. 1991;52:676-9*
- Maitland A. *see* Wittnich, Maitland, & others. 1991;52:1000-4*
- Malm TK. *see* Henze, Malm, & others. 1991;52:1329-30,CR
- Maniscalco BS. *see* Goldman, Glover, & others. 1991;52:296-9,CR
- Manjoney DL. *see* Zisbrod, Manjoney, & others. 1991;52:304-5,CR
- Mann JM. *see* Millner, Mann, & others. 1991;52:78-83*
- Mansour KA. Role of thoracoplasty in the treatment of chronic empyema. Reply. 1991;52:585,CP
- Marboe C. *see* Jeevanandam, Barr, & others. 1991;52:1213-6*
- Marcelletti C. *see* di Carlo, Di Donato, & others. 1991;52:1148-53*
- Markus GR. Physician payment reform: update on implications for cardiac surgery. 1991;52:408-9*
- Marshall JB. *see* Landreneau, Marshall, & others. 1991;52:325-7,HW
- Martini N. *see* Burt, Diehl, & others. 1991;52:1222-9*
- Martini N. *see* Rosengart, Martini, & others. 1991;52:773-9*
- Massa G. *see* Kimblad, Sjöberg, & others. 1991;52:523-8*
- Massa G. *see* Steen & Massa. 1991;52:897,CP
- Masters TN. *see* Robicsek, Duncan, & others. 1991;52:74-7*
- Masuda M, Demeulemeester A, Chang-Chun C, Hendriks M, Belle HV, Flameng W. Cardioprotective effects of nucleoside transport inhibition in rabbit hearts. 1991;52:1300-5*
- Mathewson JW. *see* Lamberti, Mainwaring, & others. 1991;52:676-9*
- Mathisen DJ, Grillo HC, Wain JC, Hilgenberg AD. Management of acquired nonmalignant tracheoesophageal fistula. 1991;52:759-65*
- Mathisen DJ. *see* Newton, Grillo, & others. 1991;52:1272-80*
- Mathur P. *see* Kesler, Conces, & others. 1991;52:145-7,CR
- Matsuda H, Miyamoto Y, Takahashi T, Kadoba K, Nakano S, Sano T. Extended aortic and left main coronary angioplasty with a single pericardial patch in a patient with Williams syndrome. 1991;52:1331-3,CR
- Matsuda H. *see* Chang-Chun, Matsuda, & others. 1991;52:495-9*
- Matsui M, Arai T, Horikoshi S, Sugita Y, Hashimoto K, Morita K, Mochizuki Y. Successful repair of a rare type of total anomalous pulmonary venous drainage. 1991;52:131-3,CR
- Matsunaka T. *see* Takayama, Suma, & others. 1991;52:322-4,HW
- Matteson ML. *see* Ford, Baisden, & others. 1991;52:514-7*
- Mauney MC. *see* O'Brien, Johnson, & others. 1991;52:182-8*
- Mavroudis C. Orthotopic cardiac transplantation in neonates. 1991;52:705-7,IC
- Mavroudis C. *see* Bailey & Watson. 1991;52:33-7,DI
- Mayer JE Jr. Aortic valvotomy using inflow occlusion. 1991;52:651-3,IC
- Mazzucco A. *see* Bortolotti, Milano, & others. 1991;52:84-91*
- Mazzucco A. *see* Bortolotti, Stellin, & others. 1991;52:1204-5,CP
- Mazzucotelli JP. *see* Deleuze, Saada, & others. 1991;52:137-8,CR
- McBride LR. *see* Pennington, Noedel, & others. 1991;52:710-5*
- McCarthy PM, Rosenkranz ER, White RD, Rice TW, Sterba R, Vargo R, Mehta AC. Single-lung transplantation with atrial septal defect repair for Eisenmenger's syndrome. 1991;52:300-3,CR
- McClelland RN. *see* Landreneau, Marshall, & others. 1991;52:325-7,HW
- McCormack PM. *see* Burt, Diehl, & others. 1991;52:1222-9*
- McGarrah RE Jr. Health care 1990—a consumer perspective. 1991;52:366-8*
- McGee DS. *see* Vinten-Johansen, Julian, & others. 1991;52:939-48*
- McGrath LB. *see* Laub, Muralidharan, & others. 1991;52:850-1,CR
- McGrath LB. *see* Laub, Olivencia-Yurvati, & others. 1991;52:148-50,CR
- McKay R, Ross DN. Experience with pulmonary autografts for aortic stenosis. 1991;52:674-5,IC
- McKay R. *see* Anderson, Devine, & others. 1991;52:640-6*
- McKenzie FN. *see* Menkis, McKenzie, & others. 1991;52:722-3*
- McKenzie FN. *see* Novick, Menkis, & others. 1991;52:1317-9,CR
- McKenzie FN. *see* Novick, Possmayer, & others. 1991;52:1194-200,CV
- McKeown PP, Rosemurgy A, Conant P. Blunt traumatic rupture of pulmonary vein, left atrium, and bronchus. 1991;52:1171-2,CR
- McKusick VA. *see* Gott, Pyeritz, & others. 1991;52:38-45*
- McLaughlin JS. *see* Attar & McLaughlin. 1991;52:1205,CP
- McLean TR, Beall AC Jr, Jones JW. Massive hemoptysis due to broncholithiasis. 1991;52:1173-5,CR
- McNamee CJ, Meyns B, Pagliero KM. New method for dealing with late-presenting spontaneous esophageal ruptures. 1991;52:151-3,HW
- Mee RBB. *see* Karl, Watterson, & others. 1991;52:420-8*
- Mee RBB. *see* Sano, Karl, & others. 1991;52:285-90*
- Mee RBB. *see* Watterson, Wilkinson, & others. 1991;52:1132-7*
- Mehta AC. *see* McCarthy, Rosenkranz, & others. 1991;52:300-3,CR
- Meijboom EJ. *see* Hitchcock, Suijker, & others. 1991;52:70-3*
- Menkis AH, McKenzie FN, Novick RJ, Kostuk WJ, Pflugfelder PW, Goldbach M, Rosenberg H. Expanding applicability of transplantation after multiple prior palliative procedures. 1991;52:722-3*
- Menkis AH. *see* Novick, Menkis, & others. 1991;52:1317-9,CR
- Menkis AH. *see* Novick, Possmayer, & others. 1991;52:1194-200,CV
- Mentzer RM Jr. *see* Canver, Pigott, & others. 1991;52:294-5,CR
- Merrill WH, Hammon JW Jr, Graham TP Jr, Bender HW Jr. Complete repair of atrioventricular septal defect. 1991;52:29-32*
- Merrill WH. *see* Bailey & Watson. 1991;52:33-7,DI
- Messmer BJ, Minale C, Mühler E, Bernuth G. Surgical correction of coarctation in early infancy: does surgical technique influence the result? 1991;52:594-603*
- Meyer JA. Tuberculosis, the Adirondacks, and coming of age for thoracic surgery. 1991;52:881-5,HV
- Meyers SN. *see* Brown, Nath, & others. 1991;52:143-4,CR
- Meyns B. *see* McNamee, Meyns, & others. 1991;52:151-3,HW
- Michler RE, Rose EA. Pediatric heart and heart-lung transplantation. 1991;52:708-9*
- Mick W. *see* Goldman, Glover, & others. 1991;52:296-9,CR
- Mickle DAG. *see* Fremes, Li, & others. 1991;52:1021-5*
- Midgley FM. *see* Bailey & Watson. 1991;52:33-7,DI
- Mihaileanu S. *see* Dreyfus, Jebara, & others. 1991;52:1181-4,HW
- Miki S. *see* Okita & Miki. 1991;52:344-5,CP
- Miki S. *see* Okita, Miki, & others. 1991;52:1158-60,CR
- Miki S. *see* Okita, Miki, & others. 1991;52:544-6,CR
- Milano A. *see* Bortolotti, Milano, & others. 1991;52:84-91*
- Milgater E, Laks H. Use of a pericardial patch to bridge the conduction tissue during tricuspid valve replacement. 1991;52:1337-9,HW
- Milgater E, Laks H. Dacron mesh wrapping to support the aneurysmally dilated or friable ascending aorta. 1991;52:874-6,HW
- Milgater E, Laks H, Elami A, Louie H, Permut L, Baker JD. Preoperative duplex scan assessment of the inferior epigastric artery as a coronary bypass conduit. 1991;52:567-8,HW

- Milgalter E. *see* Laks, Pearl, & others. 1991;52:1084-95*
- Milgalter E. *see* Pearl, Laks, & others. 1991;52:780-6*
- Miller GE Jr. RBRVS report: activities of the ad hoc committee for physicians' reimbursement. 1991;52:397-402*
- Miller JJ Jr. Therapeutic thoracoscopy: new horizons for an established procedure. 1991;52:1036-7,ED
- Miller PE. *see* DeLeon, Ilbawi, & others. 1991;52:1325-8,CR
- Milliken JC. *see* Sheppard, Milliken, & others. 1991;52:59-65*
- Millner RWJ, Mann JM, Pearson I, Pepper JR. Experimental model of left ventricular failure. 1991;52:78-83*
- Mills NL. *see* Barner, Naunheim, & others. 1991;52:429-37,DI
- Mills SE. *see* Hobson, Teague, & others. 1991;52:1295-9*
- Minale C. *see* Messmer, Minale, & others. 1991;52:594-603*
- Miralles A, Bracamonte L, Soncul H, Diaz del Castillo R, Akhtar R, Bors V, Pavie A, Gandjbakhch I, Cabrol C. Cardiac tumors: clinical experience and surgical results in 74 patients. 1991;52:886-95,CV
- Mitani Y. *see* Okita, Miki, & others. 1991;52:544-6,CR
- Mitchell IM, Pollock JCS, Jamieson MPG, Fitzpatrick KC, Logan RW. Transcutaneous iodine absorption in infants undergoing cardiac operation. 1991;52:1138-40*
- Miyamoto Y. *see* Matsuda, Miyamoto, & others. 1991;52:1331-3,CR
- Mjøs OD, Ichihara K, Fellenius E, Myrmel T, Neely JR. Fatty acids suppress recovery of heart function after hypothermic perfusion. 1991;52:965-70*
- Mochizuki Y. *see* Matsui, Arai, & others. 1991;52:131-3,CR
- Modry D. *see* Egan, Lambert, & others. 1991;52:1113-21,DI
- Moes CAF. *see* Cohen, Cleveland, & others. 1991;52:1266-71*
- Moës CAF. *see* Mullen, Razzouk, & others. 1991;52:1164-6,CR
- Molina EJ. *see* Schmid, Zietlow, & others. 1991;52:1102-7,DI
- Mollnes TE, Videm V, Götze O, Harboe M, Oppermann M. Formation of C5a during cardiopulmonary bypass: inhibition by precoating with heparin. 1991;52:92-7*
- Moore DWO. Pulmonary metastases revisited. 1991;52:178-9,ED
- Moosdorf R. *see* Hehrlein, Netz, & others. 1991;52:112-7*
- Morady F. *see* Bolling, Morady, & others. 1991;52:461-8*
- Morgan C. *see* Bonser, Dave, & others. 1991;52:541-3,CR
- Morgan J. *see* Bonser, Dave, & others. 1991;52:541-3,CR
- Mori M, Furuya K, Kimura T, Kitade M, Ueda N. Mixed tumor of salivary gland type arising in the bronchus. 1991;52:1322-4,CR
- Morita K. *see* Matsui, Arai, & others. 1991;52:131-3,CR
- Morse D. *see* Laub, Olivencia-Yurvati, & others. 1991;52:148-50,CR
- Moskoff ME. *see* Fiore, Naunheim, & others. 1991;52:1014-20*
- Moss AJ. *see* Connery, DeWeese, & others. 1991;52:1281-4*
- Moulton AL. Introduction. 1991;52:592-3*
- Moulton AL. Is there a role for prosthetic patch aortoplasty in the repair of coarctation? 1991;52:603,IC
- Moulton AL. Role of balloon angioplasty in the treatment of aortic coarctation. 1991;52:631,IC
- Moulton AL. Hypoplastic left heart syndrome. 1991;52:695,IC
- Mühler E. *see* Messmer, Minale, & others. 1991;52:594-603*
- Mullen JC, Razzouk AJ, Williams WG, Moës CAF, Freedom RM. Partial anomalous pulmonary venous connection to the azygos vein with atrial septal defect. 1991;52:1164-6,CR
- Munsch C. *see* Efstratiadis, Munsch, & others. 1991;52:1320-1,CR
- Muralidharan S. *see* Laub, Muralidharan, & others. 1991;52:850-1,CR
- Muralidharan S. *see* Laub, Olivencia-Yurvati, & others. 1991;52:148-50,CR
- Murray IP. *see* Williams, Rainer, & others. 1991;52:1069-75*
- Myers KW. *see* Pirolo, Creswell, & others. 1991;52:276-84*
- Myrmel T. *see* Mjøs, Ichihara, & others. 1991;52:965-70*
- Naidech H. *see* Laub, Muralidharan, & others. 1991;52:850-1,CR
- Nair SK, Venkitachalam CG, Valiathan MS. Palliative reconstruction of right ventricular outflow tract in tetralogy. 1991;52:344,CP
- Naitoh K. *see* Kuwahara, Ohteki, & others. 1991;52:549-51,CR
- Najafi H. *see* Accola, Craver, & others. 1991;52:738-44,DI
- Nakamura Y, Yasui H, Kado H, Yonenaga K, Shiokawa Y, Tokunaga S. Anomalous origin of the right pulmonary artery from the ascending aorta. 1991;52:1285-91*
- Nakano S. *see* Matsuda, Miyamoto, & others. 1991;52:1331-3,CR
- Nakashima N. *see* Komai, Yamamoto, & others. 1991;52:927-33*
- Nanda NC. *see* Holman, Coghlan, & others. 1991;52:313-5,CR
- Natarajan G. *see* Gorenstein, Putnam, & others. 1991;52:204-10*
- Nath R. *see* Brown, Nath, & others. 1991;52:143-4,CR
- Nathanson LK, Shimi SM, Wood RAB, Cuschieri A. Videothoroscopic ligation of bulla and pleurectomy for spontaneous pneumothorax. 1991;52:316-9,HW
- Natsuaki M. *see* Kuwahara, Ohteki, & others. 1991;52:549-51,CR
- Naunheim KS. *see* Barner, Naunheim, & others. 1991;52:429-37*
- Naunheim KS. *see* Fiore, Naunheim, & others. 1991;52:1014-20*
- Naunheim KS. *see* Pennington, Noedel, & others. 1991;52:710-5*
- Nawarawong W. *see* Landreneau, Herlan, & others. 1991;52:1176-8,CR
- Nawarawong W. *see* Landreneau, Nawarawong, & others. 1991;52:134-6,CR
- Neely JR. *see* Mjøs, Ichihara, & others. 1991;52:965-70*
- Nelson RJ. *see* Sheppard, Milliken, & others. 1991;52:59-65*
- Nelson RL. *see* Rosenberg, Oramas, & others. 1991;52:346-7,CP
- Nemec JJ. *see* Hendren, Nemec, & others. 1991;52:1246-52*
- Netz H. *see* Hehrlein, Netz, & others. 1991;52:112-7*
- Neveux J-Y. *see* Vouhé & Neveux. 1991;52:654-62*
- Newton JR Jr, Grillo HC, Mathisen DJ. Main bronchial sleeve resection with pulmonary conservation. 1991;52:1272-80*
- Nickels B. *see* Heath, Warren, & others. 1991;52:839-41*
- Nicklas JM. *see* Wampler, Frazier, & others. 1991;52:506-13*
- Niederhäuser U. *see* Carrel, Niederhäuser, & others. 1991;52:805-9*
- Nielsen JL. The Foundations of Cardiac Pacing, Part I. An Illustrated Practical Guide to Basic Pacing, by Richard Sutton and Ivan Bourgeois. 1991;52:1062,RV
- Nielsen JL. Atlas of Esophageal Surgery, by David B. Skinner, MD; illustrations by Kathy Hirsh. 1991;52:857,RV
- Nishimura M. *see* Chang-Chun, Matsuda, & others. 1991;52:495-9*
- Noedel N. *see* Pennington, Noedel, & others. 1991;52:710-5*
- Noera G, Pensa PM, Guelfi P, Biagi B, Lodi R, Carbone C. Extrapleural takedown of the internal mammary artery as a pedicle. 1991;52:1292-3*
- Noether M. Results from the cardiothoracic and vascular surgery work survey by Abt Associates Inc. 1991;52:403-7*
- Noon GP. Bio-Medicus ventricular assistance. 1991;52:180-1,ED
- Norwood WI Jr. Hypoplastic left heart syndrome. 1991;52:688-95*
- Novick RJ, Menkis AH, Sandler D, Garg A, Ahmad D, Williams S, McKenzie FN. Contralateral pneumonectomy after single-lung transplantation for emphysema. 1991;52:1317-9,CR
- Novick RJ, Possmayer F, Veldhuizen RAW, Menkis AH, McKenzie FN. Surfactant analysis and replacement therapy: a future tool of the lung transplant surgeon? 1991;52:1194-200,CV
- Novick RJ. *see* Chan, Fleischer, & others. 1991;52:1230-6,DI
- Novick RJ. *see* Menkis, McKenzie, & others. 1991;52:722-3*
- Obeid MY. *see* DeLeon, Ilbawi, & others. 1991;52:1325-8,CR
- O'Brien JW, Johnson SH, VanSteyn SJ, Craig DM, Sharpe RE, Mauney MC, Smith PK. Effects of internal mammary

- artery dissection on phrenic nerve perfusion and function. 1991;52:182-8*
- O'Connell JB. *see* Richenbacher, Karwande, & others. 1991;52:871-3,CR
- Odell JA. *see* von Oppell, de Groot, & others. 1991;52:1168-70,CR
- Odum J. *see* Magovern, Furnary, & others. 1991;52:1259-65,DI
- Ofiesh JG. *see* Guiraudon, Ofiesh, & others. 1991;52:1058-62*
- Ogella D. *see* Loop, Foster, & others. 1991;52:320-1,HW
- Ohashi H. *see* Yamaguchi, Tsukube, & others. 1991;52:310-2,CR
- Ohashi T. *see* Komai, Yamamoto, & others. 1991;52:927-33*
- Ohri SK, Desai JB, Gaer JAR, Roussak JB, Hashemi M, Smith PLC, Taylor KM. Intraabdominal complications after cardiopulmonary bypass. 1991;52:826-31*
- Ohta M. *see* Ichinose, Hara, & others. 1991;52:469-73*
- Ohteki H. *see* Kuwahara, Ohteki, & others. 1991;52:549-51,CR
- O'Keefe DD. *see* Geffin, Reynolds, & others. 1991;52:955-64*
- Okita Y, Miki S. Palliative reconstruction of right ventricular outflow tract in tetralogy. Reply. 1991;52:344-5,CP
- Okita Y, Miki S, Kusuhara K, Ueda Y, Tahata T, Yamanaka K. Propranolol for intractable hemolysis after open heart operation. 1991;52:1158-60,CR
- Okita Y, Miki S, Tamura T, Kusuhara K, Ueda Y, Tahata T, Yamanaka K, Mitani Y, Tamura M. Bidirectional cavopulmonary anastomosis using vertical vein for right isomerism, pulmonary atresia, and TAPVR. 1991;52:544-6,CR
- Oláh T. *see* Horváth, Oláh, & others. 1991;52:98-101*
- Olech VM, Keshavjee SH, Chamberlain DW, Slutsky AS, Patterson GA. Role of basic fibroblast growth factor in revascularization of rabbit tracheal autografts. 1991;52:258-64*
- Olinger GN. *see* Baker, Olinger, & others. 1991;52:993-9*
- Olivencia-Yurvati AH. *see* Laub, Olivencia-Yurvati, & others. 1991;52:148-50,CR
- Olson JD. *see* Brack, Olson, & others. 1991;52:1306-9*
- O'Neil GS, Chester AH, Schyns CJ, Tadjkarimi S, Petter JR, Yacoub MH. Vascular reactivity of human internal mammary and gastroepiploic arteries. 1991;52:1310-4*
- Opie LH. *see* von Oppell, King, & others. 1991;52:903-7*
- Oppermann M. *see* Mollnes, Videm, & others. 1991;52:92-7*
- Oramas AG. *see* Rosenberg, Oramas, & others. 1991;52:346-7,CP
- Orrin-Ailloni-Charas. *see* Pearl, Laks, & others. 1991;52:780-6*
- Oshima Y. *see* Yamaguchi, Tsukube, & others. 1991;52:310-2,CR
- O'Steen WK. *see* Johnston, Vinten-Johansen, & others. 1991;52:479-89*
- Oswalt JD. *see* Lee, Pierce, & others. 1991;52:211-8,DI
- Otani H. *see* Kato, Otani, & others. 1991;52:979-86*
- Otero-Coto E, Silla A, Casillas JA. Retrograde disc escape in a Harken mitral valve prosthesis 21 years after implantation. 1991;52:1370,CP
- Ott GY. *see* Jeevanandam, Barr, & others. 1991;52:1213-6*
- Oury JH. *see* Hendren, Nemec, & others. 1991;52:1246-52,DI
- Øvrum E, Åm Holen E, Abdelnoor M, Øystese R. Conventional blood conservation techniques in 500 consecutive coronary artery bypass operations. 1991;52:500-5*
- Owen P. *see* von Oppell, King, & others. 1991;52:903-7*
- Øystese R. *see* Øvrum, Åm Holen, & others. 1991;52:500-5*
- Pagé A. *see* St-Georges, Deslauriers, & others. 1991;52:6-13*
- Pagé A. *see* Vallières, Pagé, & others. 1991;52:1122-6*
- Pagliari KM. Spontaneous esophageal rupture. Reply. 1991;52:1369-70,CP
- Pagliari KM. *see* McNamee, Meyns, & others. 1991;52:151-3,HW
- Pahl E. *see* Siewers, Ettedgui, & others. 1991;52:608-14*
- Pairolero PC, Trastek VF. Role of thoracoplasty in the treatment of chronic empyema. Reply. 1991;52:584,CP
- Pairolero PC. *see* Landreneau, Marshall, & others. 1991;52:325-7,DI
- Pairolero PC. *see* Mathisen, Grillo, & others. 1991;52:759-65,DI
- Pairolero PC. *see* Rosengart, Martini, & others. 1991;52:773-9,DI
- Pairolero PC. *see* St-Georges, Deslauriers, & others. 1991;52:6-13,DI
- Pairolero PC. *see* Urschel & Razzuk. 1991;52:1217-21,DI
- Paneth M. *see* Bonser, Dave, & others. 1991;52:541-3,CR
- Panos AL, Common AA, Salerno TA. Unusual complication of J wire used for central venous cannulation. 1991;52:581,CP
- Panos AL, Houck JP, Chisholm R, Lichtenstein SV, Salerno TA. Mammary artery to saphenous vein bypass graft: an alternative method of redo operation. 1991;52:1205-6,CP
- Panos AL. *see* Teoh, Panos, & others. 1991;52:564,HW
- Panos A. *see* Lichtenstein, Abel, & others. 1991;52:1009-13*
- Parenteau GL, Clark RE. Prevention of ischemia-reperfusion injury by the allergy drug lodoxamide tromethamine. 1991;52:832-8*
- Parmar J. *see* Dyke, Lee, & others. 1991;52:750-8*
- Parvez Z. *see* Verazin, Regal, & others. 1991;52:787-90*
- Pasic M. *see* Carrel, Niederhäuser, & others. 1991;52:805-9*
- Pasque MK. *see* Kaiser, Pasque, & others. 1991;52:438-46*
- Pasque MK. *see* Pirolo, Creswell, & others. 1991;52:276-84*
- Pass HI. Bronchial adenoma. 1991;52:1201-3,CR
- Pass HI. *see* Pogrebniak, Roth, & others. 1991;52:197-203*
- Pate JW. *see* Walker & Pate. 1991;52:868-70,CR
- Patterson GA. *see* Egan, Lambert, & others. 1991;52:1113-21,DI
- Patterson GA. *see* Kaiser, Pasque, & others. 1991;52:438-46,DI
- Patterson GA. *see* Olech, Keshavjee, & others. 1991;52:258-64*
- Patton AS. *see* Urschel & Razzuk. 1991;52:1217-21,DI
- Patton A. *see* Landreneau, Marshall, & others. 1991;52:325-7,DI
- Pavie A. *see* Miralles, Bracamonte, & others. 1991;52:886-95,CV
- Pearl JM, Laks H, Drinkwater DC Jr, Milgalter E, Orrin-Ailloni-Charas, Giacobetti F, George B, Williams R. Repair of truncus arteriosus in infancy. 1991;52:780-6*
- Pearl JM, Laks H, Stein DG, Drinkwater DC, George BL, Williams RG. Total cavopulmonary anastomosis versus conventional modified Fontan procedure. 1991;52:189-96*
- Pearl JM. *see* Laks, Pearl, & others. 1991;52:1084-95*
- Pearson I. *see* Millner, Mann, & others. 1991;52:78-83*
- Pedersen WR. *see* Brack, Olson, & others. 1991;52:1306-9*
- Pennington DG, Noedel N, McBride LR, Naunheim KS, Ring WS. Heart transplantation in children: an international survey. 1991;52:710-5*
- Pennington DG. *see* Lowe, Anstadt, & others. 1991;52:1237-45,DI
- Pensa PM. *see* Noera, Pensa, & others. 1991;52:1292-3*
- Penther PH. *see* El Asmar, Acker, & others. 1991;52:1315-6,CR
- Pepper JR. *see* Millner, Mann, & others. 1991;52:78-83*
- Perier P. *see* El Asmar, Acker, & others. 1991;52:66-9*
- Perman WH. *see* Pirolo, Creswell, & others. 1991;52:276-84*
- Permut L. *see* Milgalter, Laks, & others. 1991;52:567-8,HW
- Peterson AC. *see* Ladowski, Schatzlein, & others. 1991;52:1187-9,HW
- Petracek MR. *see* Coltharp, Decker, & others. 1991;52:225-9*
- Pett S. *see* Kessler, Pett, & others. 1991;52:562-3,CR
- Petter JR. *see* O'Neil, Chester, & others. 1991;52:1310-4*
- Peyton VC. *see* Chan, Fleischer, & others. 1991;52:1230-6*
- Pezzella AT. *see* Edwards, Hale, & others. 1991;52:1127-31*
- Pezzella AT. *see* Edwards, Taylor, & others. 1991;52:265-9*
- Pflugfelder PW. *see* Menkis, McKenzie, & others. 1991;52:722-3*
- Phillips SJ. *see* Wampler, Frazier, & others. 1991;52:506-13*
- Picone AL. *see* Ford, Baisden, & others. 1991;52:514-7*
- Piehler JM. *see* Killen, Piehler, & others. 1991;52:230-5*
- Pierce JD. *see* Lee, Pierce, & others. 1991;52:211-8*
- Pigott JD. *see* Canver, Pigott, & others. 1991;52:294-5,CR
- Pirolo JS, Creswell LL, Bresina SJ, Perman WH, Szabo BA, Myers KW, Vannier MW, Pasque MK. Regional myocardial stress distribution from magnetic resonance image-based mathematical models. 1991;52:276-84*
- Piwnica A. *see* Guiraudon, Ofiesh, & others. 1991;52:1058-62,DI

- Planché C. *see* Lacour-Gayet & Planché. 1991;52:613-4,IC
 Plunkett MD. *see* Lowe, Anstadt, & others. 1991;52:1237-45*
 Podorovsky L. *see* DeLeon, Ilbawi, & others. 1991;52:1325-8,CR
 Pogrebniak HW, Roth JA, Steinberg SM, Rosenberg SA, Pass HI. Reoperative pulmonary resection in patients with metastatic soft tissue sarcoma. 1991;52:197-203*
 Pollock JCS. *see* Mitchell, Pollock, & others. 1991;52:1138-40*
 Pollock SB. *see* Laub, Olivencia-Yurvati, & others. 1991;52:148-50,CR
 Pomerantz M, Madsen L, Goble M, Iseman M. Surgical management of resistant mycobacterial tuberculosis and other mycobacterial pulmonary infections. 1991;52:1108-12*
 Poostizadeh A. *see* Qayumi, Jamieson, & others. 1991;52:1026-32*
 Poppe D. *see* Cohen, Cleveland, & others. 1991;52:1266-71*
 Possmayer F. *see* Novick, Possmayer, & others. 1991;52:1194-200,CV
 Powe J. *see* Casson, Powe, & others. 1991;52:1207-8,CP
 Prasad S. *see* Campanella, Cameron, & others. 1991;52:245-9*
 Pritzker MR. *see* Brack, Olson, & others. 1991;52:1306-9*
 Prough DS. *see* Johnston, Vinten-Johansen, & others. 1991;52:479-89*
 Puel P. *see* Vanleeuw, Roux, & others. 1991;52:518-22*
 Pupello DF. *see* Goldman, Glover, & others. 1991;52:296-9,CR
 Putnam JB Jr. *see* Gorenstein, Putnam, & others. 1991;52:204-10*
 Pyeritz RE. *see* Gott, Pyeritz, & others. 1991;52:38-45*
 Qayumi AK, Jamieson WRE, Poostizadeh A. Effects of platelet-activating factor antagonist CV-3988 in preservation of heart and lung for transplantation. 1991;52:1026-32*
 Quinones JA. *see* DeLeon, Ilbawi, & others. 1991;52:1325-8,CR
 Quinones JA. *see* DeLeon, Ilbawi, & others. 1991;52:569-71,HW
 Quinones JA. *see* Ilbawi, DeLeon, & others. 1991;52:842-9*
 Quinones JA. *see* Ilbawi, DeLeon, & others. 1991;52:663-8*
 Rainer WG. Opening remarks and welcome. 1991;52:352*
 Rainer WG. *see* McGarrah RE Jr. 1991;52:366-8,IC
 Rainer WG. *see* Williams, Rainer, & others. 1991;52:1069-75*
 Raj Behl P. Surgical treatment of Ebstein's malformation. 1991;52:1206-7,CP
 Rao PS, Chopra PS. Role of balloon angioplasty in the treatment of aortic coarctation. 1991;52:621-31*
 Rao PS, Liu X, Das DK, Weinstein GS, Tyras DH. Protection of ischemic heart from reperfusion injury by *myo*-inositol hexaphosphate, a natural antioxidant. 1991;52:908-12*
 Rasch DK. The Pediatric Airway, by H. Biemann Othersen, Jr. 1991;52:284,RV
 Rashid MA, William-Olsson G. Influence of allopurinol on cardiac complications in open heart operations. 1991;52:127-30*
 Ratnatunga CP, Rees GM, Kovacs IB. Preoperative hemostatic activity and excessive bleeding after cardiopulmonary bypass. 1991;52:250-7*
 Ravichandran PS, Kelly SP, Swanson JS, Fessler CL, Starr A. Thermolysis catheter-induced endobronchial hemorrhage with pulmonary hypertension. 1991;52:1208,CP
 Razzouk AJ. *see* Mullen, Razzouk, & others. 1991;52:1164-6,CR
 Razzuk MA. *see* Urschel & Razzuk. 1991;52:1217-21*
 Rebeyka IM. *see* Cohen, Cleveland, & others. 1991;52:1266-71*
 Reddick R. *see* Egan, Lambert, & others. 1991;52:1113-21*
 Reed WA. *see* Killen, Piehler, & others. 1991;52:230-5*
 Rees GM. *see* John, Edmondson, & others. 1991;52:157-8,HW
 Rees GM. *see* Ratnatunga, Rees, & others. 1991;52:250-7*
 Regal A-M. *see* Verazin, Regal, & others. 1991;52:787-90*
 Reichart B. *see* Hartl, Kreuzer, & others. 1991;52:557-9,CR
 Reichart B. *see* von Oppell, King, & others. 1991;52:903-7*
 Reitz BA. *see* DeValeria, Baumgartner, & others. 1991;52:219-24*
 Renlund DG. *see* Richenbacher, Karwande, & others. 1991;52:871-3,CR
 Replogle RL. Introduction. 1991;52:1038*
 Reuschel-Janetschek E. *see* Hartl, Kreuzer, & others. 1991;52:557-9,CR
 Reynolds TR. *see* Geffin, Reynolds, & others. 1991;52:955-64*
 Rhenmen B. *see* Saigenji, Kaneko, & others. 1991;52:107-11*
 Rho J. *see* Lee, Kim, & others. 1991;52:858-60,CR
 Ribet ME. Thymoma. 1991;52:175,CP
 Rice HE. *see* Robicsek, Duncan, & others. 1991;52:74-7*
 Rice TW. *see* McCarthy, Rosenkranz, & others. 1991;52:300-3,CR
 Rice TW. *see* Vester, Faber, & others. 1991;52:1253-8,DI
 Richenbacher WE, Karwande SV, Shaddy RE, Renlund DG, Bristow MR, O'Connell JB, Gay WA Jr. Cardiac transplantation in a patient with a single ventricle and transposition of the great vessels. 1991;52:871-3,CR
 Ridker PM, Schoen FJ. Surgical management of carcinoid heart disease. 1991;52:1208,CP
 Ring WS. *see* Pennington, Noedel, & others. 1991;52:710-5*
 Riva E, Hearse DJ. Isolated, perfused neonatal rat heart preparation for studies of calcium and functional stability. 1991;52:987-92*
 Rivers S. *see* Lazar, Rivers, & others. 1991;52:913-7*
 Roach A. *see* Fanning, Thomas, & others. 1991;52:529-33*
 Roberson DA. *see* DeLeon, Ilbawi, & others. 1991;52:569-71,HW
 Roberson DA. *see* Ilbawi, DeLeon, & others. 1991;52:842-9*
 Roberson DA. *see* Ilbawi, DeLeon, & others. 1991;52:663-8*
 Robertie PG. *see* Johnston, Robertie, & others. 1991;52:797-804*
 Roberts CS, Roberts WC. Combined thoracic aortic dissection and abdominal aortic fusiform aneurysm. 1991;52:537-40*
 Roberts WC. *see* Roberts & Roberts. 1991;52:537-40*
 Robertson JM. *see* Sheppard, Milliken, & others. 1991;52:59-65*
 Robertson RH. *see* Satur, Robertson, & others. 1991;52:122-6*
 Robicsek F. Leonardo da Vinci and the sinuses of Valsalva. 1991;52:328-35,CL
 Robicsek F. Dacron mesh wrapping to support the aneurysmally dilated or friable ascending aorta. 1991;52:876,IC
 Robicsek F. Poststernotomy infections. 1991;52:898,CP
 Robicsek F, Duncan GD, Black JW, Masters TN, Robicsek SA, Rice HE. Prevention of retrovirus infection after injury with contaminated instruments: an experimental study. 1991;52:74-7*
 Robicsek F. *see* Egan, Lambert, & others. 1991;52:1113-21,DI
 Robicsek SA. *see* Robicsek, Duncan, & others. 1991;52:74-7*
 Robinson LA. *see* Auteri, Jeevanandam, & others. 1991;52:1052-7,DI
 Rodgers BM. *see* DeValeria, Baumgartner, & others. 1991;52:219-24,DI
 Rogan KM. *see* Edwards, Taylor, & others. 1991;52:265-9*
 Roizen MF. *see* Aronson, Lee, & others. 1991;52:810-4*
 Root HD. Current Therapy in Vascular Surgery, 2nd edition, edited by Calvin B. Ernst and James C. Stanley. 1991;52:264,RV
 Roper CL. Massive hemoptysis due to broncholithiasis. 1991;52:1175,IC
 Rosado LJ. *see* Lick, Copeland, & others. 1991;52:308-9,CR
 Rose EA. *see* Jeevanandam, Barr, & others. 1991;52:1213-6*
 Rose EA. *see* Michler & Rose. 1991;52:708-9*
 Rosemurgy A. *see* McKeown, Rosemurgy, & others. 1991;52:1171-2,CR
 Rosenberg H. *see* Menkis, McKenzie, & others. 1991;52:722-3*
 Rosenberg PH, Oramas AG, Nelson RL, Hall MH, Tortolani AJ. Epicardial lead failure due to dense scarring: a solution. 1991;52:346-7,CP
 Rosenberg SA. *see* Pogrebniak, Roth, & others. 1991;52:197-203*
 Rosenfeld LE. *see* Curiale, Rosenfeld, & others. 1991;52:1340-1,HW

- Rosenfeldt F, Cochrane A. Blood versus oxygenated crystalloid cardioplegia. 1991;52:345-6,CP
- Rosengart TK, Martini N, Ghosn P, Burt M. Multiple primary lung carcinomas: prognosis and treatment. 1991;52:773-9*
- Rosenkranz ER. *see* McCarthy, Rosenkranz, & others. 1991;52:300-3,CR
- Ross A. The perspective of the industry. 1991;52:385-9*
- Ross D. Replacement of the aortic valve with a pulmonary autograft: the "switch" operation. 1991;52:1346-51,HW
- Ross D. Ross' first homograft replacement of the aortic valve. 1991;52:1193,IC
- Ross D. Technique of aortic valve replacement with a homograft: orthotopic replacement. 1991;52:154-6,HW
- Ross D. Homograft aortic root replacement. 1991;52:673-4,IC
- Ross DN. *see* McKay & Ross. 1991;52:674-5,IC
- Roth JA. *see* Gorenstein, Putnam, & others. 1991;52:204-10*
- Roth JA. *see* Pogrebniak, Roth, & others. 1991;52:197-203*
- Rotman N. *see* Deleuze, Saada, & others. 1991;52:137-8,CR
- Rousou JA, Engelman RM, Flack JE III, Deaton DW. Cardiac retractor for coronary bypass operations. 1991;52:877-8,HW
- Rousou JA. *see* Engelman, Rousou, & others. 1991;52:918-26*
- Roussak JB. *see* Ohri, Desai, & others. 1991;52:826-31*
- Rousseau H. *see* Vanleeuw, Roux, & others. 1991;52:518-22*
- Roux D. *see* Vanleeuw, Roux, & others. 1991;52:518-22*
- Rowles DF. *see* Pomerantz, Madsen, & others. 1991;52:1108-12,DI
- Rudolphy VJ, Tukkier R, Kloppe PJ. Chest wall reconstruction with degradable processed sheep dermal collagen in dogs. 1991;52:821-5*
- Ruffini E. *see* Maggi & Ruffini. 1991;52:175-6,CP
- Rusch VW. *see* Burt, Diehl, & others. 1991;52:1222-9*
- Ruzyllo W. *see* Hitchcock, Suijker, & others. 1991;52:70-3*
- Saada M. *see* Deleuze, Saada, & others. 1991;52:137-8,CR
- Saigenji H, Kaneko M, Rhenmen B, Williams RJ, Vasu MA, Icenogle TB, Copeland JG. *Pneumocystis carinii* pneumonia after heart transplantation. 1991;52:107-11*
- Saito Y. *see* Kato, Otani, & others. 1991;52:979-86*
- Sakagoshi N. *see* Chang-Chun, Matsuda, & others. 1991;52:495-9*
- Salerno T. *see* Wittnich, Maitland, & others. 1991;52:1000-4*
- Salerno TA. *see* Cusimano, Ashe, & others. 1991;52:934-8*
- Salerno TA. *see* Lichtenstein, Abel, & others. 1991;52:1009-13*
- Salerno TA. *see* Lichtenstein, Abel, & others. 1991;52:455-60*
- Salerno TA. *see* Panos, Common, & others. 1991;52:581,CP
- Salerno TA. *see* Panos, Houck, & others. 1991;52:1205-6,CP
- Salerno TA. *see* Teoh, Panos, & others. 1991;52:564,HW
- Salter DR. *see* Dyke, Yeh, & others. 1991;52:14-9*
- Sanchez JA. *see* Auteri, Jeevanandam, & others. 1991;52:1052-7*
- Sanchez JA. *see* Jeevanandam, Barr, & others. 1991;52:1213-6*
- Sanchez ML. *see* Williams, Rainer, & others. 1991;52:1069-75*
- Sandler D. *see* Novick, Menkis, & others. 1991;52:1317-9,CR
- Sano S, Karl TR, Mee RBB. Extracardiac valved conduits in the pulmonary circuit. 1991;52:285-90*
- Sano S. *see* Karl, Watterson, & others. 1991;52:420-8*
- Sano T. *see* Matsuda, Miyamoto, & others. 1991;52:1331-3,CR
- Santoli C. *see* Vanelli, Castelli, & others. 1991;52:899-900,CP
- Santos GH. Spontaneous esophageal rupture. 1991;52:1369,CP
- Sapsford RN. *see* Keogh, Bidstrup, & others. 1991;52:766-72*
- Sargent LA, Seyfer AE, Hollinger J, Hinson RM, Graeber GM. The healing sternum: a comparison of osseous healing with wire versus rigid fixation. 1991;52:490-4*
- Satur CMR, Robertson RH, Da Costa PE, Saunders NR, Walker DR. Multiple pulmonary microemboli complicating pneumonectomy. 1991;52:122-6*
- Saunders NR. *see* Satur, Robertson, & others. 1991;52:122-6*
- Sawa Y. *see* Chang-Chun, Matsuda, & others. 1991;52:495-9*
- Schatzlein MH. *see* Ladowski, Schatzlein, & others. 1991;52:1187-9,HW
- Scheld HH. *see* Hehrlein, Netz, & others. 1991;52:112-7*
- Schenkel FA. *see* Jeevanandam, Barr, & others. 1991;52:1213-6*
- Schmid C, Zietlow S, Wagner TOF, Laas J, Borst HG. Fulminant pulmonary embolism: symptoms, diagnostics, operative technique, and results. 1991;52:1102-7*
- Schmidt D. *see* Hartl, Kreuzer, & others. 1991;52:557-9,CR
- Schoen FJ. *see* Ridker & Schoen. 1991;52:1208,CP
- Schuch D, Wolff L. Repair of mycotic aneurysm of the innominate artery with homograft tissue. 1991;52:863-4,CR
- Schwartz H. The future of American thoracic surgery. 1991;52:1039-43*
- Schyns CJ. *see* O'Neil, Chester, & others. 1991;52:1310-4*
- Scully HE. Medicare: the Canadian experience. 1991;52:390-6*
- Sealy WC. Surgical cure of cardiac arrhythmia. 1991;52:574-5,IC
- See WM. *see* Fullerton, St. Cyr, & others. 1991;52:534-6*
- Segesser LK, Bauer E, Jenni R, Turina M. Improved forceps for pulmonary embolectomy. 1991;52:1185-6,HW
- Séguin JR, Frapier J-M, Colson P, Chaptal PA. Fibrin sealant improves surgical results of type A acute aortic dissections. 1991;52:745-9*
- Sethi G. *see* Lick, Copeland, & others. 1991;52:308-9,CR
- Seyfer AE. *see* Sargent, Seyfer, & others. 1991;52:490-4*
- Shaddy RE. *see* Richenbacher, Karwande, & others. 1991;52:871-3,CR
- Sharpe RE. *see* O'Brien, Johnson, & others. 1991;52:182-8*
- Shemin RJ. *see* Lazar, Rivers, & others. 1991;52:913-7*
- Shennib H. *see* Egan, Lambert, & others. 1991;52:1113-21,DI
- Sheppard BB, Milliken JC, Nelson RJ, Follette DM, Robertson JM. Ultrasonic decalcification of the aortic annulus during aortic valve replacement. 1991;52:59-65*
- Shibata T. *see* Komai, Yamamoto, & others. 1991;52:927-33*
- Shields TW. *see* Mathisen, Grillo, & others. 1991;52:759-65,DI
- Shields TW. *see* St-Georges, Deslauriers, & others. 1991;52:6-13,DI
- Shimi SM. *see* Nathanson, Shimi, & others. 1991;52:316-9,HW
- Shields TW. *see* St-Georges, Deslauriers, & others. 1991;52:6-13,DI
- Shiokawa Y. *see* Nakamura, Yasui, & others. 1991;52:1285-91*
- Shirai T, Amano J, Takabe K. Thoracoscopic diagnosis and treatment of chylothorax after pneumonectomy. 1991;52:306-7,CR
- Siewers RD, Ettedgui J, Pahl E, Tallman T, del Nido PJ. Coarctation and hypoplasia of the aortic arch: will the arch grow? 1991;52:608-14*
- Silla A. *see* Otero-Coto, Silla, & others. 1991;52:1370,CP
- Sinclair C. *see* Campanella, Cameron, & others. 1991;52:245-9*
- Sjöberg T. *see* Kimblad, Sjöberg, & others. 1991;52:523-8*
- Skinner DB. *see* Lowe, Anstadt, & others. 1991;52:1237-45,DI
- Slattery SA. *see* Teoh, Weisel, & others. 1991;52:270-5*
- Slaughter M. *see* Brown, Nath, & others. 1991;52:143-4,CR
- Slivko B. *see* Wagner, Slivko, & others. 1991;52:51-8*
- Slutsky AS. *see* Lichtenstein, Abel, & others. 1991;52:1009-13*
- Slutsky AS. *see* Olech, Keshavjee, & others. 1991;52:258-64*
- Smallhorn J. *see* Cohen, Cleveland, & others. 1991;52:1266-71*
- Smalling RW. *see* Wampler, Frazier, & others. 1991;52:506-13*
- Smedts F. *see* van Son & Smedts. 1991;52:896-7,CP
- Smith A. *see* Anderson, Devine, & others. 1991;52:640-6*
- Smith CR. *see* Jeevanandam, Barr, & others. 1991;52:1213-6*
- Smith PK. *see* Lowe, Anstadt, & others. 1991;52:1237-45*
- Smith PK. *see* O'Brien, Johnson, & others. 1991;52:182-8*
- Smith PLC. *see* Ohri, Desai, & others. 1991;52:826-31*
- Smith RG. *see* Lick, Copeland, & others. 1991;52:308-9,CR
- Smith TD. *see* Vinten-Johansen, Julian, & others. 1991;52:939-48*

- Smith VC. Current Therapy in Cardiovascular Disease, 3rd edition, edited by J. Willis Hurst. 1991;52:321,RV
- Snir E. *see* Stark, de Leval, & others. 1991;52:1368-9,CP
- Solem J-O. *see* Kimblad, Sjöberg, & others. 1991;52:523-8*
- Soncul H. *see* Miralles, Bracamonte, & others. 1991;52:886-95,CV
- Spicer RL. *see* Lamberti, Mainwaring, & others. 1991;52:676-9*
- Spodick DH. Penetrating cardiac injuries. 1991;52:1205,CP
- Spotnitz HM. *see* Auteri, Jeevanandam, & others. 1991;52:1052-7*
- Spotnitz HM. *see* Demmy, Magovern, & others. 1991;52:1044-51,DI
- Spotnitz HM. *see* Gheissari, Hordof, & others. 1991;52:118-21*
- Spotnitz HM. *see* Chan, Fleischer, & others. 1991;52:1230-6,DI
- Spotnitz WD. *see* Holland, Brown, & others. 1991;52:46-50,DI
- Spyt TJ. *see* Butterfield, Fisher, & others. 1991;52:815-20*
- St. Cyr JA, Fullerton DA, Harken AH. Repair of the torn, friable right atrium after decannulation. 1991;52:1344-5,HW
- St. Cyr JA. *see* Fullerton, St. Cyr, & others. 1991;52:534-6*
- Stahl R. *see* Higgins, Stahl, & others. 1991;52:1161-3,CR
- Stark J, de Leval MR, Elliott MJ, Snir E. Tetralogy of Fallot. Reply. 1991;52:1368-9,CP
- Starr A. *see* Ravichandran, Kelly, & others. 1991;52:1208,CP
- Steen S, Massa G. Spasm in free arterial grafts. Reply. 1991;52:897,CP
- Steen S. *see* Kimblad, Sjöberg, & others. 1991;52:523-8*
- Stein DG. *see* Pearl, Laks, & others. 1991;52:189-96*
- Steinberg SM. *see* Pogrebniak, Roth, & others. 1991;52:197-203*
- Stellin G. *see* Bortolotti, Stellin, & others. 1991;52:1204-5,CP
- Sterba R. *see* McCarthy, Rosenkranz, & others. 1991;52:300-3,CR
- Stewart JR. *see* Gorenstein, Putnam, & others. 1991;52:204-10,DI
- Stewart JR. *see* Holland, Brown, & others. 1991;52:46-50,DI
- Stewart RW. *see* Hendren, Nemec, & others. 1991;52:1246-52*
- St-Georges R, Deslauriers J, Duranceau A, Vaillancourt R, Deschamps C, Beauchamp G, Pagé A, Brisson J. Clinical spectrum of bronchogenic cysts of the mediastinum and lung in the adult. 1991;52:6-13*
- Stoney WS. *see* Coltharp, Decker, & others. 1991;52:225-9*
- Stoney WS Jr. *see* Fanning, Thomas, & others. 1991;52:529-33*
- Streicher JT. *see* Furukawa, Kreiner, & others. 1991;52:1063-8*
- Stump DA. *see* Johnston, Vinten-Johansen, & others. 1991;52:479-89*
- Stychinsky AS. *see* Knyschov, Stychinsky, & others. 1991;52:1141-4*
- Subramanian VA. *see* Lowe, Anstadt, & others. 1991;52:1237-45,DI
- Subramanian VA. *see* O'Brien, Johnson, & others. 1991;52:182-8,DI
- Sugita Y. *see* Matsui, Arai, & others. 1991;52:131-3,CR
- Suh K. *see* Lee, Kim, & others. 1991;52:858-60,CR
- Suijker WJL. *see* Hitchcock, Suijker, & others. 1991;52:70-3*
- Sulayman RF. *see* DeLeon, Ilbawi, & others. 1991;52:1325-8,CR
- Sulayman RF. *see* DeLeon, Ilbawi, & others. 1991;52:569-71,HW
- Sullivan LW. Address by the Secretary of Health and Human Services. 1991;52:410-2*
- Sultan I. *see* Sunamori, Sultan, & others. 1991;52:971-8*
- Suma H. *see* Takayama, Suma, & others. 1991;52:322-4,HW
- Sunamori M, Sultan I, Suzuki A. Effect of aprotinin to improve myocardial viability in myocardial preservation followed by reperfusion. 1991;52:971-8*
- Sunnegårdh JT. *see* Henze, Malm, & others. 1991;52:1329-30,CR
- Suzuki A. *see* Sunamori, Sultan, & others. 1991;52:971-8*
- Swain JA. *see* Williams, Rainer, & others. 1991;52:1069-75,DI
- Swanson JS. *see* Ravichandran, Kelly, & others. 1991;52:1208,CP
- Szabo BA. *see* Pirolo, Creswell, & others. 1991;52:276-84*
- Tadjkarimi S. *see* O'Neil, Chester, & others. 1991;52:1310-4*
- Tahata T. *see* Okita, Miki, & others. 1991;52:1158-60,CR
- Tahata T. *see* Okita, Miki, & others. 1991;52:544-6,CR
- Takabe K. *see* Shirai, Amano, & others. 1991;52:306-7,CR
- Takahashi T. *see* Matsuda, Miyamoto, & others. 1991;52:1331-3,CR
- Takayama T, Suma H, Wanibuchi Y, Furuta S, Tohda E, Yamashita S, Matsunaka T. Doppler miniprobe to measure arterial graft flow in coronary artery bypass grafting. 1991;52:322-4,HW
- Takita H. *see* Verazin, Regal, & others. 1991;52:787-90*
- Talano JV. *see* Brown, Nath, & others. 1991;52:143-4,CR
- Tallman T. *see* Siewers, Ettegui, & others. 1991;52:608-14*
- Tamura M. *see* Okita, Miki, & others. 1991;52:544-6,CR
- Tamura T. *see* Okita, Miki, & others. 1991;52:544-6,CR
- Tanaka K. *see* Kato, Otani, & others. 1991;52:979-86*
- Tanaka K. *see* Komai, Yamamoto, & others. 1991;52:927-33*
- Tateishi R. *see* Kodama, Doi, & others. 1991;52:855-7,CR
- Tatoulis J. *see* Cochrane & Tatoulis. 1991;52:1166-7,CR
- Tavilla G, van Son JAM, Verhagen AF, Lacquet LK. Modified Robicsek technique for complicated sternal closure. 1991;52:1179-80,HW
- Taylor AJ. *see* Edwards, Taylor, & others. 1991;52:265-9*
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* = Original Article	CP = Correspondence	KR = Key References
AN = Announcement	CT = Collective Review	PA = Presidential Address
CL = Classics in Thoracic Surgery	CV = Current Review	RE = Report
CR = Case Report	ED = Editorial	RV = Review of Recent Books
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Aortic valve

- Extended aortic root replacement with cryopreserved allografts: do they hold up? (Clarke) 1991;52:669-75*
- The myth of the aortic annulus: the anatomy of the subaortic outflow tract (Anderson, Devine, & others) 1991;52:640-6*
- Technique of aortic valve replacement with a homograft: orthotopic replacement (Ross) 1991;52:154-6,HW

Aortic valve insufficiency

- Cogan's syndrome with aortitis, aortic regurgitation, and aortic arch vessel stenoses (Cochrane & Tatoulis) 1991;52:1166-7,CR
- Indications and limitations of aortic valve reconstruction (Duran, Kumar, & others) 1991;52:447-54*
- Management of ventricular septal defect with associated aortic incompetence (Hitchcock, Suijker, & others) 1991;52:70-3*

Aortic valve stenosis

- Advantages of early relief of subaortic stenosis in single ventricle equivalents (Ilbawi, DeLeon, & others) 1991;52:842-9*
- Arterial switch for palliation of subaortic stenosis in single ventricle and transposition of the great arteries (Freedom & Trusler) 1991;52:415-6,ED
- Extended aortic and left main coronary angioplasty with a single pericardial patch in a patient with Williams syndrome (Matsuda, Miyamoto, & others) 1991;52:1331-3,CR
- Extended aortic valvuloplasty: a new approach for the management of congenital valvar aortic stenosis (Ilbawi, DeLeon, & others) 1991;52:663-8*
- Nomenclatura obscura: subaortic obstruction in double-inlet left ventricle and related lesions (Lincoln & Anderson) 1991;52:730-1,ED
- Operations for subaortic stenosis in univentricular hearts (Karl, Watterson, & others) 1991;52:428-8*
- Surgical management of diffuse subaortic stenosis: an integrated approach (Vouhé & Neveux) 1991;52:654-62
- Surgical options in subaortic stenosis associated with endocardial cushion defects (DeLeon, Ilbawi, & others) 1991;52:1076-83*
- Ultrasonic decalcification of the aortic annulus during aortic valve replacement (Sheppard, Milliken, & others) 1991;52:59-65*

Aortitis

- Cogan's syndrome with aortitis, aortic regurgitation, and aortic arch vessel stenoses (Cochrane & Tatoulis) 1991;52:1166-7,CR

Aortoplasty

- Role of extended aortoplasty related to the definition of coarctation of the aorta (Amato, Gladieri, & Cotroneo) 1991;52:615-20*

Aprotinin

- Aprotinin used in emergency coronary operation after streptokinase treatment (Efstratiadis, Munsch, & others) 1991;52:1320-1,CR
- Effect of aprotinin to improve myocardial viability in myocardial preservation followed by reperfusion (Sunamori, Sultan, & Suzuki) 1991;52:971-8*

Arrhythmia

- Surgical cure of cardiac arrhythmias (Lemmer) 1991;52:572-5,CL

Aspergillus

- Primary *Aspergillus* osteomyelitis of the sternum (Walker & Pate) 1991;52:868-70,CR

Assisted circulation

- The Second International Conference on Circulatory Support Devices for Severe Cardiac Failure 1991;52:348-50,AN

Assisted circulation (cont'd)

Transesophageal echocardiography in patients with mechanical circulatory assistance (Brack, Olson, & others) 1991;52:1306-9*

Atrial fibrillation

Prophylaxis of atrial fibrillation with magnesium sulfate after coronary artery bypass grafting (Fanning, Thomas, & others) 1991;52:529-33*

Atrioventricular

Atrioventricular septal defect repair in infants (Bailey & Watson) 1991;52:33-7*

Complete repair of atrioventricular septal defect (Merrill, Hammon, & others) 1991;52:29-32*

Azathioprine

Cardiac transplantation with corticosteroid-free immunosuppression: long-term results (Lee, Pierce, & others) 1991;52:211-8*

Azygos vein

Partial anomalous pulmonary venous connection to the azygos vein with atrial septal defect (Mullen, Razzouk, & others) 1991;52:1164-5,CR

Balloon dilation

Extended aortic valvuloplasty: a new approach for the management of congenital valvar aortic stenosis (Ilbawi, DeLeon, & others) 1991;52:663-8*

Barotrauma

Mediastinal emphysema secondary to dental restoration (Cole, Cole, & Duckworth) 1991;52:139-40,CR

Blister

Cystic and bullous lung disease (Klingman, Angelillo, & DeMeester) 1991;52:576-80,CV

Videothoroscopic ligation of bulla and pleurectomy for spontaneous pneumothorax (Nathanson, Shimi, & others) 1991;52:316-9,HW

Blood

Conventional blood conservation techniques in 500 consecutive coronary artery bypass operations (Øvrum, Holen, & others) 1991;52:500-5*

Blood transfusion, autologous

Blood saving in Jehovah's Witnesses (Vanelli, Castelli, & others) 1991;52:899-900,CP; Reply (Cooley & Lewis) 1991;52:900,CP

Book reviews

Angiocardiology in Congenital Heart Malformations, by Soto & Pacifico (Calhoon) 1991;52:150,RV

Atlas of Esophageal Surgery, by Skinner (Nielsen) 1991;52:857,RV

Atlas of Pulmonary Surgical Pathology, by Colby, Lombard, Yousem, & Kitaichi (Zamora) 1991;52:153,RV

Complications in Cardiothoracic Surgery, by Waldhausen & Orringer (Calhoon) 1991;52:335,RV

Current Therapy in Cardiovascular Disease, 3rd Edition, by Hurst (Smith) 1991;52:321,RV

Current Therapy in Vascular Surgery, 2nd Edition, by Ernst & Stanley (Root) 1991;52:264,RV

The Foundations of Cardiac Pacing, Part I. An Illustrated Practical Guide to Basic Pacing, by Sutton & Bourgeois (Nielsen) 1991;52:1062,RV

The Pediatric Airway, by Othersen (Rasch) 1991;52:284,RV

Regional Anesthesia, Second Edition, by Cenz, Hoerster, Niesel, Kreuscher (Hantler) 1991;52:158,RV

Review of Management of Cardiothoracic Trauma, edited by Turney, Rodriguez, & Cowley (Lupinetti) 1991;52:69,RV

Brachial plexus

Schwannoma of the brachial plexus mimicking an apical lung tumor (Horowitz, Kline, & Keller) 1991;52:555-6,CR

Brain

Assessing the effect of cardiopulmonary bypass on the brain (Greeley & Ungerleider) 1991;52:417-9,ED

Cerebral perfusion during canine hypothermic cardiopulmonary bypass: effect of arterial carbon dioxide tension (Johnston, Vinten-Johansen, & others) 1991;52:479-89*

Bronchi

Blunt traumatic rupture of pulmonary vein, left atrium, and bronchus (McKeown, Rosemurgy, & Conant) 1991;52:1171-7,CR

Bronchial neoplasms

Bronchial adenoma (Pass) 1991;52:1201-3,CR

Bronchial neurofibrosarcoma (Kodama, Doi, & others) 1991;52:855-7,CR

Mixed tumor of salivary gland type arising in the bronchus (Mori, Furuya, & others) 1991;52:1322-4,CR

Bronchogenic cyst

Clinical spectrum of bronchogenic cysts of the mediastinum and lung in the adult (St-Georges, Deslauriers, & others) 1991;52:6-13*

Broncholithiasis

Massive hemoptysis due to broncholithiasis (McLean, Beall, & Jones) 1991;52:1173-75,CR

Bronchopneumonia

Neonatal pneumonectomy for isolated unilateral pulmonary artery agenesis (Canver, Pigott, & Mentzer) 1991;52:294-5,CR

Burns, chemical

Emergency esophagogastrectomy for treatment of hydrochloric acid injury (Horváth, Oláh, & others) 1991;52:98-101*

Cadaver

A strategy to increase the donor pool: use of cadaver lungs for transplantation (Egan, Lambert, & others) 1991;52:1113-21*

Calcium

Calcium content of St. Thomas' II cardioplegic solution damages ischemic immature myocardium (Baker, Olinger, & Baker) 1991;52:933-9*

Effect of cardioplegic preservation on intracellular calcium transients (Kato, Otani, & others) 1991;52:979-86*

Isolated, perfused neonatal rat heart preparation for studies of calcium and functional stability (Riva & Hearse) 1991;52:987-92*

Relation of myocardial protection to cardioplegic solution pH: modulation by calcium and magnesium (Geffin, Reynolds, & others) 1991;52:955-64*

Captopril

Captopril, an ACE inhibitor, for optimizing reperfusion after acute myocardial infarction (Engelman, Rousou, & others) 1991;52:918-26*

Carbon dioxide

Cerebral perfusion during canine hypothermic cardiopulmonary bypass: effect of arterial carbon dioxide tension (Johnston, Vinten-Johansen, & others) 1991;52:479-89*

Carcinoma

Multiple primary lung carcinomas: prognosis and treatment (Rosengart, Martini, & others) 1991;52:773-9*

Carcinoma, bronchogenic

TNM staging and long-term follow-up after sleeve resection for bronchogenic tumors (Van Schil, de la Rivière, & others) 1991;52:1096-101*

Carcinoma, non-small cell lung

- Are we losing out in the care of non-small cell lung cancer patients? (Chambers) 1991;52:1368,CP
- Lung cancer model for the study of the metastatic process (Hammond, Teplitz, & Benfield) 1991;52:732-7*

Carcinoma, squamous cell

- Ivor Lewis operation for epidermoid carcinoma of the esophagus (Lozac'h, Topart, & others) 1991;52:1154-7*

Cardiac pacing, artificial

- Epicardial lead failure due to dense scarring: a solution (Rosenberg, Oramas, & others) 1991;52:346-7,CP
- Heart rate-right ventricular stroke volume relation with myocardial revascularization (Johnston, Robertie, & others) 1991;52:797-804*

Cardiomyopathy, congestive

- Inotropic stimulation and oxygen consumption in a canine model of dilated cardiomyopathy (Dyke, Lee, & others) 1991;52:750-8*
- Pediatric heart transplantation for congenital heart disease and cardiomyopathy (Hehrlein, Netz, & others) 1991;52:112-7*

Cardiomyoplasty

- Bilateral latissimus dorsi cardiomyoplasty (Magovern, Furnary, & others) 1991;52:1259-65*

Cardioplegic solutions

- Calcium content of St. Thomas' II cardioplegic solution damages ischemic immature myocardium (Baker, Olinger, & Baker) 1991;52:933-9*
- Effect of aprotinin to improve myocardial viability in myocardial preservation followed by reperfusion (Sunamori, Sultan, & Suzuki) 1991;52:971-8*
- Effect of pH shifts induced by oxygenating crystalloid cardioplegic solutions (Oppell, King, & others) 1991;52:903-7*
- Harmful effects of inotropic agents on myocardial protection (Komai, Yamamoto, & others) 1991;52:927-33*
- Relation of myocardial protection to cardioplegic solution pH: modulation by calcium and magnesium (Geffin, Reynolds, & others) 1991;52:955-64*

Cardiopulmonary bypass

- Assessing the effect of cardiopulmonary bypass on the brain (Greeley & Ungerleider) 1991;52:417-9,ED
- Cardiopulmonary bypass, profound hypothermia, and circulatory arrest for neurosurgery (Williams, Rainer, & others) 1991;52:1069-75*
- Cardiopulmonary bypass and thyroid function: a "euthyroid sick syndrome" (Holland, Brown, & others) 1991;52:46-50*
- Cerebral perfusion during canine hypothermic cardiopulmonary bypass: effect of arterial carbon dioxide tension (Johnston, Vinten-Johansen, & others) 1991;52:479-89*
- Complement activation during bypass in acquired C1 esterase inhibitor deficiency (Bonser, Dave, & others) 1991;52:541-3,CR
- Formation of C5a during cardiopulmonary bypass: inhibition by precoating with heparin (Mollnes, Videm, & others) 1991;52:92-7*
- Intraabdominal complications after cardiopulmonary bypass (Ohri, Desai, & others) 1991;52:826-31*
- Perfusion without systemic heparinization for rewarming in accidental hypothermia (von Segesser, Garcia, & Turina) 1991;52:560-1,CR
- Preoperative hemostatic activity and excessive bleeding after cardiopulmonary bypass (Ratnatunga, Rees, & others) 1991;52:250-7*
- Recovery of oxygen utilization efficiency after global myocardial ischemia (Furukawa, Kreiner, & others) 1991;52:1063-8*

Cardiotonic agents

- Harmful effects of inotropic agents on myocardial protection (Komai, Yamamoto, & others) 1991;52:927-33*
- Inotropic stimulation and oxygen consumption in a canine model of dilated cardiomyopathy (Dyke, Lee, & others) 1991;52:750-8*

Case reports

- Anatomically corrected malposition of the great arteries (Lee, Kim, & others) 1991;52:858-60,CR
- Aplasia of the right aortic cusp in a neonate: a life-threatening but curable anomaly (Henze, Malm, & others) 1991;52:1329-30,CR
- Aprotinin used in emergency coronary operation after streptokinase treatment (Efstratiadis, Munsch, & others) 1991;52:1320-1,CR
- Assessing the feasibility of bronchoplastic surgery with magnetic resonance imaging (Kesler, Conces, & others) 1991;52:145-7,CR
- Bidirectional cavopulmonary anastomosis using vertical vein for right isomerism, pulmonary atresia, and TAPVR (Okita, Miki, & others) 1991;52:544-6,CR
- Blunt traumatic rupture of pulmonary vein, left atrium, and bronchus (McKeown, Rosemurgy, & Conant) 1991;52:1171-7,CR
- Bronchial neurofibrosarcoma (Kodama, Doi, & others) 1991;52:855-7,CR
- Cardiac transplantation in a patient with a single ventricle and transposition of the great vessels (Richenbacher, Karwande, & others) 1991;52:871-3,CR
- Cogan's syndrome with aortitis, aortic regurgitation, and aortic arch vessel stenoses (Cochrane & Tatoulis) 1991;52:1166-7,CR
- Complement activation during bypass in acquired C1 esterase inhibitor deficiency (Bonser, Dave, & others) 1991;52:541-3,CR
- Constrictive pericarditis from *Nocardia asteroides* infection (Kesler, Follis, & others) 1991;52:861-2,CR
- Contralateral pneumonectomy after single-lung transplantation for emphysema (Novick, Menkis, & others) 1991;52:1317-9,CR
- Extended aortic and left main coronary angioplasty with a single pericardial patch in a patient with Williams syndrome (Matsuda, Miyamoto, & others) 1991;52:1331-3,CR
- Internal mammary artery to lung parenchyma fistula after aortocoronary bypass grafting (Blanche, Eigler, & Bairey) 1991;52:141-2,CR
- Intraoperative transesophageal echocardiography for pulmonary embolectomy without cardiopulmonary bypass (Deleuze, Saada, & others) 1991;52:137-8,CR
- Intrathoracic goiter: approaching the posterior mediastinal mass (Landreneau, Nawarawong, & others) 1991;52:134-6,CR
- Large mediastinal mass secondary to an aortocoronary saphenous vein bypass graft aneurysm (Forster & Hauptert) 1991;52:547-8,CR
- Long-term bridge to transplantation with the Symbion acute ventricular assist device system (Lick, Copeland, & others) 1991;52:308-9,CR
- Long-term function in University of Cape Town prostheses in the tricuspid position (Galvin, Buckels, & others) 1991;52:552-4,CR
- Massive hemoptysis due to broncholithiasis (McLean, Beall, & Jones) 1991;52:1173-5,CR
- Mediastinal emphysema secondary to dental restoration (Cole, Cole, & Duckworth) 1991;52:139-40,CR

Case reports (cont'd)

- Mesenchymoma of the chest wall in children (Eskelinen, Kosma, & Vainio) 1991;52:291-3,CR
- Mixed tumor of salivary gland type arising in the bronchus (Mori, Furuya, & others) 1991;52:1322-4,CR
- Neonatal pneumonectomy for isolated unilateral pulmonary artery agenesis (Canver, Pigott, & Mentzer) 1991;52:294-5,CR
- Partial anomalous pulmonary venous connection to the azygos vein with atrial septal defect (Mullen, Razzouk, & others) 1991;52:1164-5,CR
- Patent foramen ovale: a cause of hypoxemia in patients on left ventricular support (Baldwin, Duncan, & others) 1991;52:865-7,CR
- Percutaneous transluminal subclavian angioplasty in a patient with postoperative angina (Laub, Muralidharan, & others) 1991;52:850-1,CR
- Perfusion without systemic heparinization for rewarming in accidental hypothermia (von Segesser, Garcia, & Turina) 1991;52:560-1,CR
- Pericardial mass mimicking constrictive pericarditis (Hartl, Kreuzer, & others) 1991;52:557-9,CR
- Perioperative spinal canal narrowing in patients with Down's syndrome (DeLeon, Ilbawi, & others) 1991;52:1325-8,CR
- Peritoneopericardial diaphragmatic hernia discovered at coronary bypass operation (Kessler, Pett, & Wernly) 1991;52:562-3,CR
- Permanent transfemoral pacemaker insertion after repair of congenital heart disease (Laub, Olivencia-Yurvati, & others) 1991;52:148-50,CR
- Primary *Aspergillus* osteomyelitis of the sternum (Walker & Pate) 1991;52:868-70,CR
- Propranolol for intractable hemolysis after open heart operation (Okita, Miki, & others) 1991;52:1158-60,CR
- Pulmonary origin of left anterior descending coronary artery in tetralogy of Fallot (Yamaguchi, Tsukube, & others) 1991;52:310-2,CR
- Removal of massive right atrial thrombus guided by transesophageal echocardiography (Holman, Coghlan, & others) 1991;52:313-5,CR
- Repair of mycotic aneurysm of the innominate artery with homograft tissue (Schuch & Wolff) 1991;52:863-4,CR
- Role of echocardiography/Doppler in cardiogenic shock: silent mitral regurgitation (Goldman, Glover, & others) 1991;52:296-9,CR
- Schwannoma of the brachial plexus mimicking an apical lung tumor (Horowitz, Kline, & Keller) 1991;52:555-6,CR
- Single-lung transplantation with atrial septal defect repair for Eisenmenger's syndrome (McCarthy, Rosenkranz, & others) 1991;52:300-3,CR
- Skin grafting for repair of a cardiac laceration (Higgins, Stahl, & Baldwin) 1991;52:1161-3,CR
- Successful combined operation for Takayasu's arteritis (Kuwahara, Ohteki, & others) 1991;52:549-51,CR
- Successful management of aorto-esophageal fistula due to thoracic aortic aneurysm (von Oppell, de Groot, & others) 1991;52:1168-70,CR
- Successful repair of a rare type of total anomalous pulmonary venous drainage (Matsui, Arai, & others) 1991;52:131-3,CR
- Successful repair of a submitral left ventricular infected pseudoaneurysm (Zisbrod, Manjoney, & others) 1991;52:304-5,CR

Thoracoscopic diagnosis and treatment of chylothorax after pneumonectomy (Shirai, Amano, & Takabe) 1991;52:306-7,CR

Thoracoscopic neodymium:yttrium-aluminum garnet laser-assisted pulmonary resection (Landreneau, Herlan, & others) 1991;52:1176-8,CR

Traumatic sinus of Valsalva fistula (Wei, Chang, & Chang) 1991;52:852-4,CR

Traumatic ventricular septal defect and disruption of the descending thoracic aorta (Brown, Nath, & others) 1991;52:143-4,CR

Tricuspid valve myxoma: a rare indication for tricuspid valve repair (El Asmar, Acker, & others) 1991;52:1315-6,CR

Vagal schwannoma involving esophagus (Vaghei & Yost) 1991;52:1334-6,CR

Catecholamines

Harmful effects of inotropic agents on myocardial protection (Komai, Yamamoto, & others) 1991;52:927-33*

Catheterization

Myocardium-sparing cannulation technique for left ventricular assist device support (Duncan, Baldwin, & others) 1991;52:565-6,HW

Repair of the torn, friable right atrium after decannulation (St. Cyr, Fullerton, & Harken) 1991;52:1344-5,HW

Simplified placement of retrograde cardioplegic catheter (Bahn) 1991;52:879-80,HW

Unusual complication of J wire used for central venous cannulation (Panos, Common, & Salerno) 1991;52:581-2,CP

Catheterization, Swan-Ganz

Thermodilution catheter-induced endobronchial hemorrhage with pulmonary hypertension (Ravichandran, Kelly, & others) 1991;52:1208,CP

Child

Bidirectional cavopulmonary anastomosis using vertical vein for right isomerism, pulmonary atresia, and TAPVR (Okita, Miki, & others) 1991;52:544-6,CR

Calcium content of St. Thomas' II cardioplegic solution damages ischemic immature myocardium (Baker, Olinger, & Baker) 1991;52:933-9*

Complete repair of atrioventricular septal defect (Merrill, Hammon, & others) 1991;52:29-32*

Expanding applicability of transplantation after multiple prior palliative procedures (Menkis, McKenzie, & others) 1991;52:722-6*

Extracardiac valved conduits in the pulmonary circuit (Sano, Karl, & others) 1991;52:285-90*

Heart transplantation in children: an international survey (Pennington, Noedel, & others) 1991;52:710-5*

Management of ventricular septal defect with associated aortic incompetence (Hitchcock, Suijker, & others) 1991;52:70-3*

Mesenchymoma of the chest wall in children (Eskelinen, Kosma, & Vainio) 1991;52:291-3,CR

Pediatric cardiac transplantation despite atrial and venous return anomalies (Chartrand) 1991;52:716-21*

Pediatric heart and heart-lung transplantation (Michler & Rose) 1991;52:708-9*

Pulmonary origin of left anterior descending coronary artery in tetralogy of Fallot (Yamaguchi, Tsukube, & others) 1991;52:310-2,CR

Transvenous pacemakers in children: relation of lead length to anticipated growth (Gheissari, Hordof, & Sponitz) 1991;52:118-21*

Chylothorax

Thoracoscopic diagnosis and treatment of chylothorax after pneumonectomy (Shirai, Amano, & Takabe) 1991;52:306-7,CR

Cicatrix

Epicardial lead failure due to dense scarring: a solution (Rosenberg, Oramas, & others) 1991;52:346-7,CP

Circulatory arrest

Cardiopulmonary bypass, profound hypothermia, and circulatory arrest for neurosurgery (Williams, Rainer, & others) 1991;52:1069-75*

Classics in thoracic surgery

Leonardo da Vinci and the sinuses of Valsalva (Robicsek) 1991;52:328-35,CL

Ross' first homograft replacement of the aortic valve (Hopkins, St. Louis, & Corcoran) 1991;52:1190-3,CL

Surgical cure of cardiac arrhythmias (Lemmer) 1991;52:572-5,CL

Surgical management of esophageal reflux and hiatal hernia (Hiebert) 1991;52:159-60,CL

Thoracoplasty: the how and the why (Langston) 1991;52:1351-3,CL

Cogan's syndrome

Cogan's syndrome with aortitis, aortic regurgitation, and aortic arch vessel stenoses (Cochrane & Tatoulis) 1991;52:1166-7,CR

Collagen

Chest wall reconstruction with degradable processed sheep dermal collagen in dogs (Rudolph, Tuckie, & Kloppe) 1991;52:821-5*

Complement inactivators

Complement activation during bypass in acquired C1 esterase inhibitor deficiency (Bonser, Dave, & others) 1991;52:541-3,CR

Computer systems

Report of the first presentation of the National Database (Clark) 1991;52:414*

The STS National Database: alive, well, and growing (Clark) 1991;52:5,ED

Conduits

Extracardiac valved conduits in the pulmonary circuit (Sano, Karl, & Mee) 1991;52:285-90*

Hydrostatic dilation of arterial conduits (van Son) 1991;52:582-3,CP

Resternotomy in patients with valved conduits adherent to the sternum (DeLeon, Ilbawi, & others) 1991;52:569-71,HW

Contusions

Effect of lung contusion on pulmonary hemodynamics (Wagner, Slivko, & others) 1991;52:51-8*

Traumatic ventricular septal defect and disruption of the descending thoracic aorta (Brown, Nath, & others) 1991;52:143-4,CR

Coronary artery

Human coronary, internal mammary, and gastroepiploic artery reactivity (Toda) 1991;52:1211-2,ED

Mammary artery grafts (Love) 1991;52:899,CP; Reply (Galvin) 1991;52:899,CP

Coronary artery bypass

Bilateral internal mammary artery grafts in reoperative and primary coronary bypass surgery (Galbut, Traad, & others) 1991;52:20-8*

Bilateral internal thoracic artery grafting in reoperations (Loop, Lytle, & Cosgrove) 1991;52:3-4,ED

Cardiac retractor for coronary bypass operations (Rousou, Engelman, & others) 1991;52:877-8,HW

Conventional blood conservation techniques in 500 consecutive coronary artery bypass operations (Øvrum, Holen, & others) 1991;52:500-5*

Current status of coronary artery operation in septuagenarians (Edwards, Taylor, & others) 1991;52:265-9*

Doppler miniprobe to measure arterial graft flow in coronary artery bypass grafting (Takayama, Suma, & others) 1991;52:322-4,HW

Endarterectomy, vein patch, and mammary bypass of the anterior descending artery (Ladowski, Schatzlein, & others) 1991;52:1187-9,HW

Extrapleural takedown of the internal mammary artery as a pedicle (Noera, Pensa, & others) 1991;52:1292-4*

Internal mammary artery graft at reoperation: risks, benefits, and methods of preservation (Coltharp, Decker, & others) 1991;52:225-9*

Internal mammary artery to lung parenchyma fistula after aortocoronary bypass grafting (Blanche, Eigler, & Bairey) 1991;52:141-2,CR

Large mediastinal mass secondary to an aortocoronary saphenous vein bypass graft aneurysm (Forster & Haupt) 1991;52:547-8,CR

Multiple reoperative coronary artery bypass grafting (Accola, Craver, & others) 1991;52:738-44*

Preoperative duplex scan assessment of the inferior epigastric artery as a coronary bypass conduit (Milgater, Laks, & others) 1991;52:567-8,HW

Prophylaxis of atrial fibrillation with magnesium sulfate after coronary artery bypass grafting (Fanning, Thomas, & others) 1991;52:529-33*

Sepsis after coronary bypass grafting: evidence for loss of the gut mucosal barrier (Ford, Baisden, & others) 1991;52:514-7*

Coronary disease

Calcium content of St. Thomas' II cardioplegic solution damages ischemic immature myocardium (Baker, Olinger, & Baker) 1991;52:933-9*

Continuous versus intermittent cardioplegia in the presence of a coronary occlusion (Lazar, Rivers, & others) 1991;52:913-7*

Effect of aprotinin to improve myocardial viability in myocardial preservation followed by reperfusion (Sunamori, Sultan, & Suzuki) 1991;52:971-8*

Extended aortic and left main coronary angioplasty with a single pericardial patch in a patient with Williams syndrome (Matsuda, Miyamoto, & others) 1991;52:1331-3,CR

Recovery of oxygen utilization efficiency after global myocardial ischemia (Furukawa, Kreiner, & others) 1991;52:1063-8*

Removal of massive right atrial thrombus guided by transesophageal echocardiography (Holman, Coghlan, & others) 1991;52:313-5,CR

Simultaneous revascularization for critical coronary and peripheral vascular ischemia (Carrel, Niederhäuser, & others) 1991;52:805-9*

Coronary vessel anomalies

Anomalous origin of the right pulmonary artery from the ascending aorta (Nakamura, Yasui, & others) 1991;52:1285-9*

Corrections

Diagnosis of poststernotomy infection: comparison of three means of assessment (Browdie, Bernstein, & others) 1991;52:900,CP

Corrections (cont'd)

Growth of tracheal anastomoses: advantage of absorbable interrupted sutures (McKeown, Tsuboi, & others) 1991;52:176,CP

Jatene's arterial repair for transposition of the great vessels (Dunn) 1991;52:900,CP

Correspondence

Aortic vent efficiency (Brenner) 1991;52:583-4,CP; Reply (van der Linden & Casimir-Ahn) 1991;52:584,CP

Are we losing out in the care of non-small cell lung cancer patients? (Chambers) 1991;52:1368,CP

Balloon angioplasty of aortic coarctation (Cheng) 1991;52:581,CP; Reply (van Son, Daniëls, & Lacquet) 1991;52:581,CP

Blood saving in Jehovah's Witnesses (Vanelli, Castelli, & others) 1991;52:899-900,CP; Reply (Cooley & Lewis) 1991;52:900,CP

Blood versus oxygenated crystalloid cardioplegia (Rosenfeldt & Cochrane) 1991;52:345-6,CP

Carlo A. Carlon and the cavopulmonary anastomosis (Bortolotti, Stellin, & Mazzucco) 1991;52:1204-5,CP

Cooling jacket modifications (Bonchek) 1991;52:345,CP

Diuresis in hemodynamically compromised patients (Honnekeri & Tendolkar) 1991;52:585,CP; Reply (Magovern) 1991;52:585,CP

Epicardial lead failure due to dense scarring: a solution (Rosenberg, Oramas, & others) 1991;52:346-7,CP

Gastric emptying after gastric pull-up (Casson, Powe, & others) 1991;52:1207-8,CP

Hydrostatic dilation of arterial conduits (van Son) 1991;52:582-3,CP

Mammary artery grafts (Love) 1991;52:899,CP; Reply (Galvin) 1991;52:899,CP

Mammary artery to saphenous vein bypass graft: an alternative method of redo operation (Panos, Houck, & others) 1991;52:1205-6,CP

Mitral valve replacement by twin Starr prostheses (Jourdan, Teboul, & others) 1991;52:176,CP

Palliative reconstruction of right ventricular outflow tract in tetralogy (Nair, Venkitachalam, Valiathan) 1991;52:344,CP; Reply (Okita, Miki) 1991;52:344-5,CP

Penetrating cardiac injuries (Spodick) 1991;52:1205,CP; Reply (Attar & McLaughlin) 1991;52:1205,CP

Poststernotomy infections (Robicsek) 1991;52:898,CP; Reply (Browdie) 1991;52:898-9,CP

Retrograde disc escape in a Harken mitral valve prosthesis 21 years after implantation (Otero-Coto, Silla, & Casillas) 1991;52:1370,CP

Role of thoracoplasty in the treatment of chronic empyema (Jaretski) 1991;52:584; Reply (Pairolero & Trastek) 1991;52:584,CP; Reply (Mansour) 1991;52:585,CP

Spasm in free arterial grafts (van Son & Smedts) 1991;52:896-7,CP; Reply (Steen & Massa) 1991;52:897,CP

Spontaneous esophageal rupture (Santos) 1991;52:1369,CP; Reply (Pagliero) 1991;52:1369-70,CP

Surgical management of carcinoid heart disease (Ridker & Schoen) 1991;52:1208,CP

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Tetralogy of Fallot (Anderson) 1991;52:1368-9,CP; Reply (Stark, de Leval, & others) 1991;52:1369,CP

Thermodilution catheter-induced endobronchial hemorrhage with pulmonary hypertension (Ravichandran, Kelly, & others) 1991;52:1208,CP

Thymoma (Ribet) 1991;52:175,CP; Reply (Maggi & Ruffini) 1991;52:175-6,CP

Tricuspid and mitral valve repair (Jebara, Acar, & Deloche) 1991;52:897-8,CP

Unusual complication of J wire used for central venous cannulation (Panos, Common, & Salerno) 1991;52:581-2,CP

Vagal schwannoma (Walker & Maguire) 1991;52:1370-1,CP; Reply (Heitmiller) 1991;52:1371,CP

Current reviews

Achalasia: current evaluation and therapy (Ferguson) 1991;52:336-42,CV

Blood cardioplegia: a review and comparison with crystalloid cardioplegia (Barner) 1991;52:1354-67,CV

Cardiac tumors: clinical experience and surgical results in 74 patients (Miralles, Bracamonte, & others) 1991;52:886-95,CV

Cystic and bullous lung disease (Klingman, Angelillo, & DeMeester) 1991;52:576-80,CV

Mechanical cardiac valvular prostheses (Akins) 1991;52:161-72,CV

Surfactant analysis and replacement therapy: a future tool of the lung transplant surgeon? (Novick, Possmayer, & others) 1991;52:1194-200,CV

CV-3988

Effects of platelet-activating factor antagonist CV-3988 in preservation of heart and lung for transplantation (Qayumi, Jamieson, & Poostizadeh) 1991;52:1026-32*

Cyanosis

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Delivery of health care

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Mediastinal emphysema secondary to dental restoration (Cole, Cole, & Duckworth) 1991;52:139-40,CR

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Hydrostatic dilation of arterial conduits (van Son) 1991;52:582-3,CP

Dissection

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- Effect of a cyclic adenosine monophosphate phosphodiesterase inhibitor, DN-9693, on myocardial reperfusion injury (Chang-Chun, Matsuda, & others) 1991;52:495-9*
- DNA**
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- Perioperative spinal canal narrowing in patients with Down's syndrome (DeLeon, Ilbawi, & others) 1991;52:1325-8,CR
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Vagal schwannoma involving esophagus (Vaghei & Yost) 1991;52:1334-6,CR

Esophagogastrectomy

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Esophagus

New method for dealing with late-presenting spontaneous esophageal ruptures (McNamee, Meyns, & Pagliero) 1991;52:151-3,HW

Spontaneous esophageal rupture (Santos) 1991;52:1369,CP; Reply (Pagliero) 1991;52:1369-70,CP

Successful management of aortoesophageal fistula due to thoracic aortic aneurysm (von Oppell, de Groot, & others) 1991;52:1168-70,CR

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Cardiopulmonary bypass and thyroid function: a "euthyroid sick syndrome" (Holland, Brown, & others) 1991;52:46-50*

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Fibroblast growth factor

Role of basic fibroblast growth factor in revascularization of rabbit tracheal autografts (Olech, Keshavjee, & others) 1991;52:258-64*

Fibrosarcoma

Bronchial neurofibrosarcoma (Kodama, Doi, & others) 1991;52:855-7,CR

Fistula

Bronchopleural fistula after stapled closure of bronchus (Vester, Faber, & others) 1991;52:1253-8*

Internal mammary artery to lung parenchyma fistula after aortocoronary bypass grafting (Blanche, Eigler, & Bairey) 1991;52:141-2,CR

Malignant esophagorespiratory fistula: management options and survival (Burt, Diehl, & others) 1991;52:1222-9*

Successful management of aortoesophageal fistula due to thoracic aortic aneurysm (von Oppell, de Groot, & others) 1991;52:1168-70,CR

Traumatic sinus of Valsalva fistula (Wei, Chang, & Chang) 1991;52:852-4,CR

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Human coronary, internal mammary, and gastroepiploic artery reactivity (Toda) 1991;52:1211-2,ED

Vascular reactivity of the human internal mammary and gastroepiploic arteries (O'Neil, Chester, & others) 1991;52:1310-4*

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Doppler miniprobe to measure arterial graft flow in coronary artery bypass grafting (Takayama, Suma, & others) 1991;52:322-4,HW

Fibrin sealant improves surgical results of type A acute aortic dissections (Séguin, Frapier, & others) 1991;52:745-9*

Internal mammary artery graft at reoperation: risks, benefits, and methods of preservation (Coltharp, Decker, & others) 1991;52:225-9*

Mammary artery grafts (Love) 1991;52:899,CP; Reply (Galvin) 1991;52:899,CP

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Spasm in free arterial grafts (van Son & Smedts) 1991;52:896-7,CP; Reply (Steen & Massa) 1991;52:897,CP

Treatment of aortic coarctation by axillofemoral bypass grafting in the high-risk patient (Connery, DeWeese, & others) 1991;52:1281-4*

Use of the inferior epigastric artery as a free graft for myocardial revascularization (Barner, Naunheim, & others) 1991;52:429-37*

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RBRVS report: activities of the Ad Hoc Committee for Physicians' Reimbursement (Miller) 1991;52:397-402*

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Bio-Medicus ventricular assist device for salvage of cardiac surgical patients (Killen, Piehler, & others) 1991;52:230-5*
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Long-term bridge to transplantation with the Symbion acute ventricular assist device system (Lick, Copeland, & others) 1991;52:308-9, CR
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Heart-lung transplantation

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Heart neoplasms

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- Heart rate-right ventricular stroke volume relation with myocardial revascularization (Johnston, Robertie, & others) 1991;52:797-804*

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- Acute postinfarction septal rupture: long-term results (Loisance, Lordez, & others) 1991;52:474-8*

- Mitral valve replacement: techniques to eliminate myocardial rupture and prevent valvular disruption (Heath, Warren, & Nickels) 1991;52:839-41*

- Skin grafting for repair of a cardiac laceration (Higgins, Stahl, & Baldwin) 1991;52:1161-3,CR

Heart septal defects

- Surgical options in subaortic stenosis associated with endocardial cushion defects (DeLeon, Ilbawi, & others) 1991;52:1076-83*

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- Partial anomalous pulmonary venous connection to the azygos vein with atrial septal defect (Mullen, Razzouk, & others) 1991;52:1164-5,CR
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- Single-lung transplantation with atrial septal defect repair for Eisenmenger's syndrome (McCarthy, Rosenkranz, & others) 1991;52:300-3,CR

Heart septal defects, ventricular

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- Traumatic ventricular septal defect and disruption of the descending thoracic aorta (Brown, Nath, & others) 1991;52:143-4,CR

Heart surgery

- Advantages of early relief of subaortic stenosis in single ventricle equivalents (Ilbawi, DeLeon, & others) 1991;52:842-9*
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- Evaluation of the Damus-Kaye-Stansel operation in infancy (di Carlo, Di Donato, & others) 1991;52:1148-53*
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- The healing sternum: a comparison of osseous healing with wire versus rigid fixation (Sargent, Seyfer, & others) 1991;52:490-4*
- Indications and limitations of aortic valve reconstruction (Duran, Kumar, & others) 1991;52:447-54*
- Influence of allopurinol on cardiac complications in open heart operations (Rashid & William-Olsson) 1991;52:127-30*
- Intermediate procedures after first-stage Norwood operation facilitate subsequent repair (Jonas) 1991;52:696-700*
- Mitral valve repair for ischemic mitral insufficiency (Hendren, Nemec, & others) 1991;52:1246-52*
- Mitral valve repair in the extensively calcified mitral valve annulus (El Asmar, Acker, & others) 1991;52:66-9*
- Modified Robicsek technique for complicated sternal closure (Tavilla, van Son, & others) 1991;52:1179-80,HW
- Not all neonatal hearts are equally protected from ischemic damage during hypothermia (Wittnich, Maitland, & others) 1991;52:1000-4*
- Operations for subaortic stenosis in univentricular hearts (Karl, Watterson, & others) 1991;52:428-8*
- Partial Fontan: advantages of an adjustable interatrial communication (Laks, Pearl, & others) 1991;52:1084-95*
- Physician payment reform: update on implications for cardiac surgery (Markus) 1991;52:408-9*
- Propranolol for intractable hemolysis after open heart operation (Okita, Miki, & others) 1991;52:1158-60,CR
- Pulmonary origin of left anterior descending coronary artery in tetralogy of Fallot (Yamaguchi, Tsukube, & others) 1991;52:310-2,CR
- Removal of massive right atrial thrombus guided by transesophageal echocardiography (Holman, Coghlan, & others) 1991;52:313-5,CR
- Repair of the torn, friable right atrium after decannulation (St. Cyr, Fullerton, & Harken) 1991;52:1344-5,HW
- Repair of truncus arteriosus in infancy (Pearl, Laks, & others) 1991;52:780-6*
- Results of the Fontan procedure for patients with univentricular heart (Cohen, Cleveland, & others) 1991;52:1266-71*
- Role of extended aortoplasty related to the definition of coarctation of the aorta (Amato, Gladieri, & Cotroneo) 1991;52:615-20*
- Successful combined operation for Takayasu's arteritis (Kawahara, Ohteki, & others) 1991;52:549-51,CR
- Successful repair of a submitral left ventricular infected pseudoaneurysm (Zisbrod, Manjoney, & others) 1991;52:304-5,CR
- Surgical cure of cardiac arrhythmias (Lemmer) 1991;52:572-5,CL
- Surgical management of diffuse subaortic stenosis: an integrated approach (Vouhé & Neveux) 1991;52:654-62*
- Surgical options in subaortic stenosis associated with endocardial cushion defects (DeLeon, Ilbawi, & others) 1991;52:1076-83*
- Surgical treatment of supraventricular tachycardia: experience with 61 patients (Knyschov, Stychinsky, & others) 1991;52:1141-4*
- Total cavopulmonary anastomosis versus conventional modified Fontan procedure (Pearl, Laks, & others) 1991;52:189-96*
- Transcutaneous iodine absorption in infants undergoing cardiac operation (Mitchell, Pollock, & others) 1991;52:1138-40*
- Tricuspid valve myxoma: a rare indication for tricuspid valve repair (El Asmar, Acker, & others) 1991;52:1315-6,CR
- Warm heart surgery: experience with long cross-clamp times (Lichtenstein, Abel, & others) 1991;52:1009-13*
- Heart transplantation**
- Cardiac transplantation in a patient with a single ventricle and transposition of the great vessels (Richenbacher, Karwande, & others) 1991;52:871-3,CR
- Cardiac transplantation with corticosteroid-free immunosuppression: long-term results (Lee, Pierce, & others) 1991;52:211-8*
- Expanding applicability of transplantation after multiple prior palliative procedures (Menkis, McKenzie, & others) 1991;52:722-6*
- First successful bridge to cardiac transplantation using direct mechanical ventricular actuation (Lowe, Anstadt, & others) 1991;52:1237-45*
- Heart transplantation in children: an international survey (Pennington, Noedel, & others) 1991;52:710-5*
- The limits of cardiac preservation with University of Wisconsin solution (Fremes, Li, & others) 1991;52:1021-5*
- Long-term bridge to transplantation with the Symbion acute ventricular assist device system (Lick, Copeland, & others) 1991;52:308-9,CR
- Pediatric cardiac transplantation despite atrial and venous return anomalies (Chartrand) 1991;52:716-21*
- Pediatric heart transplantation for congenital heart disease and cardiomyopathy (Hehrlein, Netz, & others) 1991;52:112-7*
- Pneumocystis carinii* pneumonia after heart transplantation (Saigenji, Kanedo, & others) 1991;52:107-11*
- Total orthotopic heart transplantation: an alternative to the standard technique (Dreyfus, Jebara, & others) 1991;52:1181-4,HW
- Transplantation after first-stage reconstruction for hypoplastic left heart syndrome (Bove) 1991;52:701-7*
- University of Wisconsin solution for human donor heart preservation: initial clinical experience (Jeevanandam, Barr, & others) 1991;52:1213-6*
- Weight is not an accurate criterion for adult cardiac transplant size matching (Chan, Fleischer, & others) 1991;52:1230-6*
- Heart valve diseases**
- Primary cardiac valve tumors (Edwards, Hale, & others) 1991;52:1127-31*
- Tricuspid and mitral valve repair (Jebara, Acar, & Deloche) 1991;52:897-8,CP
- Heart valve prosthesis**
- Aortic valve replacement with Omniscience and Omnicarbon valves (Kazui, Yamada, & others) 1991;52:236-44*
- Comparative study of the hydrodynamic function of the CarboMedics valve (Butterfield, Fisher, & others) 1991;52:815-20*
- Extended aortic root replacement with cryopreserved allografts: do they hold up? (Clarke) 1991;52:669-75*
- Influence of type of prosthesis on late results after combined mitral-aortic valve replacement (Bortolotti, Milan, & others) 1991;52:84-91*
- Long-term function in University of Cape Town prostheses in the tricuspid position (Galvin, Buckels, & others) 1991;52:552-4,CR
- Mechanical cardiac valvular prostheses (Akins) 1991;52:161-72,CV

Heart valve prosthesis (cont'd)

- Mitral valve replacement: techniques to eliminate myocardial rupture and prevent valvular disruption (Heath, Warren, & Nickels) 1991;52:839-41*
- Mitral valve replacement by twin Starr prostheses (Jourdan, Teboul, & others) 1991;52:176,CP
- Replacement of the aortic valve with a pulmonary autograft: the switch operation (Ross) 1991;52:1346-50,HW
- Retrograde disc escape in a Harken mitral valve prosthesis 21 years after implantation (Otero-Coto, Silla, & Casillas) 1991;52:1370,CP
- Ross' first homograft replacement of the aortic valve (Hopkins, St. Louis, & Corcoran) 1991;52:1190-3,CL
- Surgical management of carcinoid heart disease (Ridker & Schoen) 1991;52:1208,CP
- Survival and valve failure after aortic valve replacement (Teoh, Weisel, & others) 1991;52:270-5*
- Ultrasonic decalcification of the aortic annulus during aortic valve replacement (Sheppard, Milliken, & others) 1991;52:59-65*
- Use of a pericardial patch to bridge the conduction tissue during tricuspid valve replacement (Milgalter & Laks) 1991;52:1337-9,HW

Heart ventricle

- Acute postinfarction septal rupture: long-term results (Loisance, Lordez, & others) 1991;52:474-8*
- Advantages of early relief of subaortic stenosis in single ventricle equivalents (Ilbawi, DeLeon, & others) 1991;52:842-9*
- Arterial switch for palliation of subaortic stenosis in single ventricle and transposition: no mean feat! (Freedom & Trusler) 1991;52:415-6,ED
- Cardiac transplantation in a patient with a single ventricle and transposition of the great vessels (Richenbacher, Karwande, & others) 1991;52:871-3,CR
- Effect of AICD patch electrodes on the diastolic pressure-volume curve in pigs (Auteri, Jeevanandam, & others) 1991;52:1052-7*
- Experimental model of left ventricular failure (Millner, Mann, & others) 1991;52:78-83*
- Fatty acids suppress recovery of heart function after hypothermic perfusion (Mjøs, Ichihara, & others) 1991;52:965-70*
- First successful bridge to cardiac transplantation using direct mechanical ventricular actuation (Lowe, Anstadt, & others) 1991;52:1237-45*
- Heart rate-right ventricular stroke volume relation with myocardial revascularization (Johnston, Robertie, & others) 1991;52:797-804*
- Left ventricular aneurysm (Crawford) 1991;52:173-4,KR
- Myocardial protection in the hypertrophied right ventricle (Cusimano, Ashe, & others) 1991;52:934-8*
- Nomenclatura obscura: subaortic obstruction in double-inlet left ventricle and related lesions (Lincoln & Anderson) 1991;52:730-1,ED
- Operations for subaortic stenosis in univentricular hearts (Karl, Watterson, & others) 1991;52:428-8*
- Results of the Fontan procedure for patients with univentricular heart (Cohen, Cleveland, & others) 1991;52:1266-71*
- Successful repair of a submitral left ventricular infected pseudoaneurysm (Zisbrod, Manjoney, & others) 1991;52:304-5,CR
- Triiodothyronine-enhanced left ventricular function after ischemic injury (Dyke, Yeh, & others) 1991;52:14-9*

Hematoma

- Pericardial mass mimicking constrictive pericarditis (Hartl, Kreuzer, & others) 1991;52:557-9,CR

Hemodynamics

- Diuresis in hemodynamically compromised patients (Honnekeri & Tendolkar) 1991;52:585,CP; Reply (Magovern) 1991;52:585,CP
- Effect of lung contusion on pulmonary hemodynamics (Wagner, Slivko, & others) 1991;52:51-8*

Hemolysis

- Propranolol for intractable hemolysis after open heart operation (Okita, Miki, & others) 1991;52:1158-60,CR

Hemoptysis

- Massive hemoptysis due to broncholithiasis (McLean, Beall, & Jones) 1991;52:1173-5,CR

Hemorrhage

- Aprotinin used in emergency coronary operation after streptokinase treatment (Efstratiadis, Munsch, & others) 1991;52:1320-1,CR
- Preoperative hemostatic activity and excessive bleeding after cardiopulmonary bypass (Ratnatunga, Rees, & others) 1991;52:250-7*
- Thermolol catheter-induced endobronchial hemorrhage with pulmonary hypertension (Ravichandran, Kelly, & others) 1991;52:1208,CP

Hemostasis

- Preoperative hemostatic activity and excessive bleeding after cardiopulmonary bypass (Ratnatunga, Rees, & others) 1991;52:250-7*

Hemostatometry

- Preoperative hemostatic activity and excessive bleeding after cardiopulmonary bypass (Ratnatunga, Rees, & others) 1991;52:250-7*

Heparin

- Formation of C5a during cardiopulmonary bypass: inhibition by precoating with heparin (Mollnes, Videm, & others) 1991;52:92-7*
- Preliminary results of left heart bypass in pigs using a heparin-coated centrifugal pump (Campanella, Cameron, & others) 1991;52:245-9*

Hernia, diaphragmatic

- Peritoneopericardial diaphragmatic hernia discovered at coronary bypass operation (Kessler, Pett, & Wernly) 1991;52:562-3,CR

Hernia, hiatal

- Surgical management of esophageal reflux and hiatal hernia (Hiebert) 1991;52:159-60,CL

Historical vignette

- Tuberculosis, the Adirondacks, and coming of age for thoracic surgery (Meyer) 1991;52:881-5,CL

HIV

- Prevention of retrovirus infection after injury with contaminated instruments: an experimental study (Robicsek, Duncan, & others) 1991;52:74-7*

How to do it

- Cardiac retractor for coronary bypass operations (Rousou, Engelman, & others) 1991;52:877-8,HW
- Cosmetic approach for placement of the automatic implantable cardioverter-defibrillator in young women (Curiale, Rosenfeld, & Elefteriades) 1991;52:1340-1,HW
- Dacron mesh wrapping to support the aneurysmally dilated or friable ascending aorta (Milgalter & Laks) 1991;52:874-6,HW

- Doppler miniprobe to measure arterial graft flow in coronary artery bypass grafting (Takayama, Suma, & others) 1991; 52:322-4,HW
- Endarterectomy, vein patch, and mammary bypass of the anterior descending artery (Ladowski, Schatzlein, & others) 1991;52:1187-9,HW
- Improved forceps for pulmonary embolectomy (von Segesser, Bauer, & others) 1991;52:1185-6,HW
- Integrated pump switch for antegrade/retrograde cardioplegia (Loop, Foster, & others) 1991;52:320-1,HW
- Modified Robicsek technique for complicated sternal closure (Tavilla, van Son, & others) 1991;52:1179-80,HW
- Modified technique of internal mammary artery harvest (John, Edmondson, & Rees) 1991;52:157-8,HW
- Myocardium-sparing cannulation technique for left ventricular assist device support (Duncan, Baldwin, & others) 1991; 52:565-6,HW
- A new balanced operation for complex gastroesophageal reflux disease (Landreneau, Marshall, & others) 1991;52:325-7,HW
- New method for dealing with late-presenting spontaneous esophageal ruptures (McNamee, Meyns, & Pagliero) 1991; 52:151-3,HW
- Optimal visualization of coronary artery anastomoses by gas jet (Teoh, Panos, & others) 1991;52:564,HW
- Preoperative duplex scan assessment of the inferior epigastric artery as a coronary bypass conduit (Milgalter, Laks, & others) 1991;52:567-8,HW
- Repair of the torn, friable right atrium after decannulation (St. Cyr, Fullerton, & Harken) 1991;52:1344-5,HW
- Replacement of the aortic valve with a pulmonary autograft: the switch operation (Ross) 1991;52:1346-50,HW
- Resternotomy in patients with valved conduits adherent to the sternum (DeLeon, Ilbawi, & others) 1991;52:569-71,HW
- Simplified placement of retrograde cardioplegic catheter (Bahn) 1991;52:879-80,HW
- Subclavian vein-to-right atrial bypass for symptomatic venous hypertension (Duncan, Baldwin, & others) 1991;52:1342-3,HW
- Technique of aortic valve replacement with a homograft: orthotopic replacement (Ross) 1991;52:154-6,HW
- Total orthotopic heart transplantation: an alternative to the standard technique (Dreyfus, Jebara, & others) 1991;52: 1181-4,HW
- Use of a pericardial patch to bridge the conduction tissue during tricuspid valve replacement (Milgalter & Laks) 1991;52:1337-9,HW
- Videothoroscopic ligation of bulla and pleurectomy for spontaneous pneumothorax (Nathanson, Shimi, & others) 1991;52:316-9,HW
- Hydrochloric acid**
Emergency esophagogastricomy for treatment of hydrochloric acid injury (Horváth, Oláh, & others) 1991;52:98-101*
- Hydrodynamics**
Comparative study of the hydrodynamic function of the CarboMedics valve (Butterfield, Fisher, & others) 1991;52: 815-20*
- Hydrogen ion concentrations**
Effect of pH shifts induced by oxygenating crystalloid cardioplegic solutions (Oppell, King, & others) 1991;52:903-7*
- Hypertension**
Subclavian vein-to-right atrial bypass for symptomatic venous hypertension (Duncan, Baldwin, & others) 1991;52:1342-3,HW
- Thermodilution catheter-induced endobronchial hemorrhage with pulmonary hypertension (Ravichandran, Kelly, & others) 1991;52:1208,CP
- Hypertrophy**
Myocardial protection in the hypertrophied right ventricle (Cusimano, Ashe, & others) 1991;52:934-8*
- Hypoplasia**
Growth of hypoplastic ascending aorta after radical palliation (Turley) 1991;52:647-53*
Hypoplastic left heart syndrome (Norwood) 1991;52:688-95*
Intermediate procedures after first-stage Norwood operation facilitate subsequent repair (Jonas) 1991;52:696-700*
Pediatric heart transplantation for congenital heart disease and cardiomyopathy (Hehrlein, Netz, & others) 1991;52:112-7*
Transplantation after first-stage reconstruction for hypoplastic left heart syndrome (Bove) 1991;52:701-7*
- Hypothermia**
Perfusion without systemic heparinization for rewarming accidental hypothermia (von Segesser, Garcia, & Turina) 1991; 52:560-1,CR
- Hypothermia, induced**
Cardiopulmonary bypass, profound hypothermia, and circulatory arrest for neurosurgery (Williams, Rainer, & others) 1991;52:1069-75*
Cooling jacket modifications (Bonchek) 1991;52:345,CP
Diaphragm paralysis following cardiac surgery: role of phrenic nerve cold injury (Efthimiou, Butler & others) 1991;52: 1005-8*
Fatty acids suppress recovery of heart function after hypothermic perfusion (Mjøs, Ichihara, & others) 1991;52:965-70*
Not all neonatal hearts are equally protected from ischemic damage during hypothermia (Wittnich, Maitland, & others) 1991;52:1000-4*
- Hypothyroidism**
Triiodothyronine-enhanced left ventricular function after ischemic injury (Dyke, Yeh, & others) 1991;52:14-9*
- Immunosuppression**
Cardiac transplantation with corticosteroid-free immunosuppression: long-term results (Lee, Pierce, & others) 1991;52: 211-8*
- Infant**
Advantages of early relief of subaortic stenosis in single ventricle equivalents (Ilbawi, DeLeon, & others) 1991;52: 842-9*
Anatomically corrected malposition of the great arteries (Lee, Kim, & others) 1991;52:858-60,CR
Aplasia of the right aortic cusp in a neonate: a life-threatening but curable anomaly (Henze, Malm, & others) 1991;52: 1329-30,CR
Atrioventricular septal defect repair in infants (Bailey & Watson) 1991;52:33-7*
Bezold-Jarisch reflex in postoperative pediatric cardiac surgical patients (Fullerton, St. Cyr, & others) 1991;52:534-6*
Evaluation of the Damus-Kaye-Stansel operation in infancy (di Carlo, Di Donato, & others) 1991;52:1148-53*
Isolated, perfused neonatal rat heart preparation for studies of calcium and functional stability (Riva & Hearse) 1991;52: 987-92*
Neonatal pneumonectomy for isolated unilateral pulmonary artery agenesis (Canver, Pigott, & Mentzer) 1991;52:294-5,CR

Infant (cont'd)

- Not all neonatal hearts are equally protected from ischemic damage during hypothermia (Wittnich, Maitland, & others) 1991;52:1000-4*
- Operations for subaortic stenosis in univentricular hearts (Karl, Watterson, & others) 1991;52:428-8*
- Pediatric heart transplantation for congenital heart disease and cardiomyopathy (Hehrlein, Netz, & others) 1991;52:112-7*
- Repair of truncus arteriosus in infancy (Pearl, Laks, & others) 1991;52:780-6*
- Staged repair of interrupted aortic arch and ventricular septal defect in infancy (Irwin, Braunlin, & Foker) 1991;52:632-9*
- Surgical correction of coarctation in early infancy: does surgical technique influence the results? (Messmer, Minale, & others) 1991;52:594-603*
- Transcutaneous iodine absorption in infants undergoing cardiac operation (Mitchell, Pollock, & others) 1991;52:1138-40*

Infection

- Constrictive pericarditis from *Nocardia asteroides* infection (Kessler, Follis, & others) 1991;52:861-2,CR
- Functional results of muscle flap closure for sternal infection (Kohman, Autchincloss, & others) 1991;52:102-6*
- Poststernotomy infections (Robicsek) 1991;52:898,CP; Reply (Browdie) 1991;52:898-9,CP
- Prevention of retrovirus infection after injury with contaminated instruments: an experimental study (Robicsek, Duncan, & others) 1991;52:74-7*
- Sepsis after coronary bypass grafting: evidence for loss of the gut mucosal barrier (Ford, Baisden, & others) 1991;52:514-7*
- Surgical management of resistant mycobacterial tuberculosis and other mycobacterial pulmonary infections (Pomerantz, Madsen, & others) 1991;52:1008-12*

Infusion pumps

- Integrated pump switch for antegrade/retrograde cardioplegia (Loop, Foster, & others) 1991;52:320-1,HW

Innominate artery

- Repair of mycotic aneurysm of the innominate artery with homograft tissue (Schuch & Wolff) 1991;52:863-4,CR

Internal mammary artery-coronary artery anastomosis

- Endarterectomy, vein patch, and mammary bypass of the anterior descending artery (Ladowski, Schatzlein, & others) 1991;52:1187-9,HW

International Symposium on Myocardial Preservation 1991;52:901*

- Introduction (Engelman) 1991;52:902*

Intestinal mucosa

- Sepsis after coronary bypass grafting: evidence for loss of the gut mucosal barrier (Ford, Baisden, & others) 1991;52:514-7*

Iodine

- Transcutaneous iodine absorption in infants undergoing cardiac operation (Mitchell, Pollock, & others) 1991;52:1138-40*

Ischemia

- Not all neonatal hearts are equally protected from ischemic damage during hypothermia (Wittnich, Maitland, & others) 1991;52:1000-4*
- Recovery of oxygen utilization efficiency after global myocardial ischemia (Furukawa, Kreiner, & others) 1991;52:1063-8*
- Simultaneous revascularization for critical coronary and peripheral vascular ischemia (Carrel, Niederhäuser, & others) 1991;52:805-9*

- Triiodothyronine-enhanced left ventricular function after ischemic injury (Dyke, Yeh, & others) 1991;52:14-9*

Isomerism

- Bidirectional cavopulmonary anastomosis using vertical vein for right isomerism, pulmonary atresia, and TAPVR (Okita, Miki, & others) 1991;52:544-6,CR

Keratitis

- Cogan's syndrome with aortitis, aortic regurgitation, and aortic arch vessel stenoses (Cochrane & Tatoulis) 1991;52:1166-7,CR

Key references

- Bronchial adenoma (Pass) 1991;52:1201-3,CR
- Left ventricular aneurysm (Crawford) 1991;52:173-4,CR

Lasers

- Thoracoscopic neodymium:yttrium-aluminum garnet laser-assisted pulmonary resection (Landreneau, Herlan, & others) 1991;52:1176-8,CR

Latissimus dorsi

- Bilateral latissimus dorsi cardiomyoplasty (Magovern, Furnary, & others) 1991;52:1259-65*

Legislation

- Medical Injury Compensation Reform Act (Wells) 1991;52:360-1*
- Medicare: the Canadian experience (Scully) 1991;52:390-6*

Ligation

- Videothoroscopic ligation of bulla and pleurectomy for spontaneous pneumothorax (Nathanson, Shimi, & others) 1991;52:316-9,HW

Lodoxamide tromethamine

- Prevention of ischemia-reperfusion injury by the allergy drug lodoxamide tromethamine (Parenteau & Clark) 1991;52:832-8*

Lung

- Effect of lung contusion on pulmonary hemodynamics (Wagner, Slivko, & others) 1991;52:51-8*

Lung diseases

- Clinical spectrum of bronchogenic cysts of the mediastinum and lung in the adult (St-Georges, Deslauriers, & others) 1991;52:6-13*
- Cystic and bullous lung disease (Klingman, Angelillo, & DeMeester) 1991;52:576-80,CV
- Internal mammary artery to lung parenchyma fistula after aortocoronary bypass grafting (Blanche, Eigler, & Bairey) 1991;52:141-2,CR
- Surgical management of resistant mycobacterial tuberculosis and other mycobacterial pulmonary infections (Pomerantz, Madsen, & others) 1991;52:1108-12*

Lung neoplasms

- Are we losing out in the care of non-small cell lung cancer patients? (Chambers) 1991;52:1368,CP
- Assessing the feasibility of bronchoplastic surgery with magnetic resonance imaging (Kesler, Conces, & others) 1991;52:145-7,CR
- DNA ploidy patterns of tumors diagnosed as metachronous or recurrent lung cancers (Ichinose, Hara, & others) 1991;52:469-73*
- Improved survival after resection of pulmonary metastases from malignant melanoma (Gorenstein, Putnam, & others) 1991;52:204-10*
- Lung cancer model for study of the metastatic process (Hammond, Teplitz, & Benfield) 1991;52:732-7*
- Multiple primary lung carcinomas: prognosis and treatment (Rosengart, Martini, & others) 1991;52:773-9*

- Pulmonary metastasis revisited (Moore) 1991;52:178-9,ED
- Reoperative pulmonary resection in patients with metastatic soft tissue sarcoma (Pogrebniak, Roth, & others) 1991;52:197-203*
- Thoracoscopic neodymium:yttrium-aluminum garnet laser-assisted pulmonary resection (Landreneau, Herlan, & others) 1991;52:1176-8,CR
- Lung transplantation**
- Bilateral sequential lung transplantation: the procedure of choice for double-lung replacement (Kaiser, Pasque, & others) 1991;52:438-46*
- Contralateral pneumonectomy after single-lung transplantation for emphysema (Novick, Menkis, & others) 1991;52:1317-9,CR
- Denervation of transplanted porcine lung causes airway obstruction (Hobson, Teague, & others) 1991;52:1295-9*
- Role of basic fibroblast growth factor in revascularization of rabbit tracheal autografts (Olech, Keshavjee, & others) 1991;52:258-64*
- Single-lung transplantation with atrial septal defect repair for Eisenmenger's syndrome (McCarthy, Rosenkranz, & others) 1991;52:300-3,CR
- A strategy to increase the donor pool: use of cadaver lungs for transplantation (Egan, Lambert, & others) 1991;52:1113-21*
- Surfactant analysis and replacement therapy: a future tool of the lung transplant surgeon? (Novick, Possmayer, & others) 1991;52:1194-200,CV
- Magnesium**
- Prophylaxis of atrial fibrillation with magnesium sulfate after coronary artery bypass grafting (Fanning, Thomas, & others) 1991;52:529-33*
- Relation of myocardial protection to cardioplegic solution pH: modulation by calcium and magnesium (Geffin, Reynolds, & others) 1991;52:955-64*
- Magnetic resonance imaging**
- Assessing the feasibility of bronchoplastic surgery with magnetic resonance imaging (Kesler, Conces, & others) 1991;52:145-7,CR
- Regional myocardial stress distribution from magnetic resonance image-based mathematical models (Pirolo, Creswell, & others) 1991;52:276-84*
- Malignant carcinoid syndrome**
- Surgical management of carcinoid heart disease (Ridker & Schoen) 1991;52:1208,CP
- Marfan syndrome**
- Composite graft repair of Marfan aneurysm of the ascending aorta: results in 100 patients (Gott, Pyeritz, & others) 1991;52:34-45*
- Mediastinal cyst**
- Clinical spectrum of bronchogenic cysts of the mediastinum and lung in the adult (St-Georges, Deslauriers, & others) 1991;52:6-13*
- Mediastinal diseases**
- Intrathoracic goiter: approaching the posterior mediastinal mass (Landreneau, Nawarawong, & others) 1991;52:134-6,CR
- Mediastinal emphysema**
- Mediastinal emphysema secondary to dental restoration (Cole, Cole, & Duckworth) 1991;52:139-40,CR
- Mediastinal neoplasms**
- Large mediastinal mass secondary to an aortocoronary saphenous vein bypass graft aneurysm (Forster & Hauptert) 1991;52:547-8,CR
- Mediastinoscopy**
- Ambulatory mediastinoscopy and anterior mediastinotomy (Vallières, Pagé, & Verdant) 1991;52:1122-6*
- Mediastinotomy**
- Ambulatory mediastinoscopy and anterior mediastinotomy (Vallières, Pagé, & Verdant) 1991;52:1122-6*
- Medical liability**
- American Medical Association/Specialty Society Medical Liability Project (Todd) 1991;52:356-9*
- Medical Injury Compensation Reform Act (Wells) 1991;52:360-1*
- Professional liability: how a trial lawyer prepares a medical malpractice case for trial (Jamail) 1991;52:362-4*
- The Society of Thoracic Surgeons Professional Liability Survey, 1988-1989 (Bartley) 1991;52:354-5*
- Melanoma**
- Improved survival after resection of pulmonary metastases from malignant melanoma (Gorenstein, Putnam, & others) 1991;52:204-10*
- Mesenchymoma**
- Mesenchymoma of the chest wall in children (Eskelinen, Kosma, & Vainio) 1991;52:291-3,CR
- Mitral valve**
- Extended vertical transatrial septal approach to the mitral valve (Guiraudon, Ofiesh, & Kaushik) 1991;52:1058-62*
- Mitral valve repair in the extensively calcified mitral valve annulus (El Asmar, Acker, & others) 1991;52:66-9*
- Tricuspid and mitral valve repair (Jebara, Acar, & Deloche) 1991;52:898,CP
- Mitral valve insufficiency**
- Mitral valve repair for ischemic mitral insufficiency (Hendren, Nemec, & others) 1991;52:1246-52*
- Role of echocardiography/Doppler in cardiogenic shock: silent mitral regurgitation (Goldman, Glover, & others) 1991;52:296-9,CR
- Mycobacterium infections**
- Surgical management of resistant mycobacterial tuberculosis and other mycobacterial pulmonary infections (Pomerantz, Madsen, & others) 1991;52:1108-12*
- Myocardial infarction**
- Acute postinfarction septal rupture: long-term results (Loisance, Lordez, & others) 1991;52:474-8*
- Angioscopic evaluation of intravascular morphology after coronary endarterectomy (Keogh, Bidstrup, & others) 1991;52:766-72*
- Captopril, an ACE inhibitor, for optimizing reperfusion after acute myocardial infarction (Engelman, Rousou, & others) 1991;52:918-26*
- Experimental model of left ventricular failure (Millner, Mann, & others) 1991;52:78-83*
- Warm heart surgery and results of operation for recent myocardial infarction (Lichtenstein, Abel, & Salerno) 1991;52:455-60*
- Myocardial reperfusion**
- Effect of a cyclic adenosine monophosphate phosphodiesterase inhibitor, DN-9693, on myocardial reperfusion injury (Chang-Chun, Matsuda, & others) 1991;52:495-9*
- Resuscitation of injured myocardium with adenosine and biventricular assist (Demmy, Magovern, & others) 1991;52:1044-51*
- Myocardial revascularization**
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- Heart rate-right ventricular stroke volume relation with myocardial revascularization (Johnston, Robertie, & others) 1991;52:797-804*
- Hydrostatic dilation of arterial conduits (van Son) 1991;52:582-3,CP
- Internal mammary artery graft at reoperation: risks, benefits, and methods of preservation (Coltharp, Decker, & others) 1991;52:225-9*
- Internal mammary artery to lung parenchyma fistula after aortocoronary bypass grafting (Blanche, Eigler, & Bairey) 1991;52:141-2,CR
- Modified technique of internal mammary artery harvest (John, Edmondson, & Rees) 1991;52:157-8,HW
- Right atrial versus aortic root perfusion with blood cardioplegia (Fiore, Naunheim, & others) 1991;52:1014-20*
- Simultaneous revascularization for critical coronary and peripheral vascular ischemia (Carrel, Niederhäuser, & others) 1991;52:805-9*
- Use of the inferior epigastric artery as a free graft for myocardial revascularization (Barner, Naunheim, & others) 1991;52:429-37*

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- Calcium content of St. Thomas' II cardioplegic solution damages ischemic immature myocardium (Baker, Olinger, & Baker) 1991;52:933-9*
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- Cooling jacket modifications (Bonchek) 1991;52:345,CP
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- Efficacy of myocardial protection with hypothermic blood cardioplegia depends on oxygen (Vinten-Johansen, Julian, & others) 1991;52:939-48*
- Harmful effects of inotropic agents on myocardial protection (Komai, Yamamoto, & others) 1991;52:927-33*
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- Myocardial protection in the hypertrophied right ventricle (Cusimano, Ashe, & others) 1991;52:934-8*
- Myocardium-sparing cannulation technique for left ventricular assist device support (Duncan, Baldwin, & others) 1991;52:565-6,HW
- Not all neonatal hearts are equally protected from ischemic damage during hypothermia (Wittnich, Maitland, & others) 1991;52:1000-4*
- Recovery of oxygen utilization efficiency after global myocardial ischemia (Furukawa, Kreiner, & others) 1991;52:1063-8*
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- Improved survival after resection of pulmonary metastases from malignant melanoma (Gorenstein, Putnam, & others) 1991;52:204-10*
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- Constrictive pericarditis from *Nocardia asteroides* infection (Kessler, Follis, & others) 1991;52:861-2,CR

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- Cardioprotective effects of nucleoside transport inhibition in rabbit hearts (Masuda, Demeulemeester, & others) 1991;52:1300-5*

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- Effects of platelet-activating factor antagonist CV-3988 in preservation of heart and lung for transplantation (Qayumi, Jamieson, & Poostizadeh) 1991;52:1026-32*
- High potassium contents in organ preservation solutions cause strong pulmonary vasocontraction (Kimblad, Sjöberg, & others) 1991;52:523-8*
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- Primary *Aspergillus* osteomyelitis of the sternum (Walker & Pate) 1991;52:868-70,CR

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- Efficacy of myocardial protection with hypothermic blood cardioplegia depends on oxygen (Vinten-Johansen, Julian, & others) 1991;52:939-48*
- Optimal visualization of coronary artery anastomoses by gas jet (Teoh, Panos, & others) 1991;52:564,HW

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- Inotropic stimulation and oxygen consumption in a canine model of dilated cardiomyopathy (Dyke, Lee, & others) 1991;52:750-8*
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Thymoma (Ribert) 1991;52:175,CP; Reply (Maggi & Ruffini) 1991;52:175-6,CP

Thyroid hormones

Cardiopulmonary bypass and thyroid function: a "euthyroid sick syndrome" (Holland, Brown, & others) 1991;52:46-50*

- Thyroid hormone changes after cardiovascular surgery and clinical implications (Chu, Huang, & others) 1991;52:791-6*
- Thyrotropin**
Thyroid hormone changes after cardiovascular surgery and clinical implications (Chu, Huang, & others) 1991;52:791-6*
- Thyroxine**
Thyroid hormone changes after cardiovascular surgery and clinical implications (Chu, Huang, & others) 1991;52:791-6*
- Tomography**
Early postoperative sternal approximation after ITA harvesting: computed tomographic evaluation (Vanleeuw, Fournial, & others) 1991;52:518-22*
- Trachea**
Growth of tracheal anastomoses: advantage of absorbable interrupted sutures (McKeown, Tsuboi, & others) 1991;52:176,CP
Role of basic fibroblast growth factor in revascularization of rabbit tracheal autografts (Olech, Keshavjee, & others) 1991;52:258-64*
- Tracheoesophageal fistula**
Management of acquired nonmalignant tracheoesophageal fistula (Mathisen, Grillo, & others) 1991;52:759-65*
- Tracheostomy**
Management of acquired nonmalignant tracheoesophageal fistula (Mathisen, Grillo, & others) 1991;52:759-65*
- Transplantation, autologous**
Replacement of the aortic valve with a pulmonary autograft: the switch operation (Ross) 1991;52:1346-50,HW
Role of basic fibroblast growth factor in revascularization of rabbit tracheal autografts (Olech, Keshavjee, & others) 1991;52:258-64*
- Transplantation, homologous**
Extended aortic root replacement with cryopreserved allografts: do they hold up? (Clarke) 1991;52:669-75*
Repair of mycotic aneurysm of the innominate artery with homograft tissue (Schuch & Wolff) 1991;52:863-4,CR
Ross' first homograft replacement of the aortic valve (Hopkins, St. Louis, & Corcoran) 1991;52:1190-3,CL
Technique of aortic valve replacement with a homograft: orthotopic replacement (Ross) 1991;52:154-6,HW
- Transposition of great vessels**
Anatomically corrected malposition of the great arteries (Lee, Kim, & others) 1991;52:858-60,CR
Arterial switch for palliation of subaortic stenosis in single ventricle and transposition: no mean feat! (Freedom & Trusler) 1991;52:415-6,ED
Cardiac transplantation in a patient with a single ventricle and transposition of the great vessels (Richenbacher, Karwande, & others) 1991;52:871-3,CR
Jatene's arterial repair for transposition of the great vessels (Dunn) 1991;52:900,CP
- Tricuspid valve**
Tricuspid and mitral valve repair (Jebara, Acar, & Deloche) 1991;52:897-8,CP
Tricuspid valve myxoma: a rare indication for tricuspid valve repair (El Asmar, Acker, & others) 1991;52:1315-6,CR
Use of a pericardial patch to bridge the conduction tissue during tricuspid valve replacement (Milgalter & Laks) 1991;52:1337-9,HW
- Triiodothyronine**
Thyroid hormone changes after cardiovascular surgery and clinical implications (Chu, Huang, & others) 1991;52:791-6*
Triiodothyronine-enhanced left ventricular function after ischemic injury (Dyke, Yeh, & others) 1991;52:14-9*
- Truncus arteriosus**
Repair of truncus arteriosus in infancy (Pearl, Laks, & others) 1991;52:780-6*
- Tuberculosis, pulmonary**
Surgical management of resistant mycobacterial tuberculosis and other mycobacterial pulmonary infections (Pomerantz, Madsen, & others) 1991;52:1108-12*
Tuberculosis, the Adirondacks, and coming of age for thoracic surgery (Meyer) 1991;52:881-5,CL
- Ultrasonics**
Preoperative duplex scan assessment of the inferior epigastric artery as a coronary bypass conduit (Milgalter, Laks, & others) 1991;52:567-8,HW
Ultrasonic decalcification of the aortic annulus during aortic valve replacement (Sheppard, Milliken, & others) 1991;52:59-65*
Ultrasonic surgical aspirator for lung resection (Verazin, Regal, & others) 1991;52:787-90*
- Vagotomy**
A new balanced operation for complex gastroesophageal reflux disease (Landreneau, Marshall, & others) 1991;52:325-7,HW
- Vagus nerve**
Vagal schwannoma (Walker & Maguire) 1991;52:1370-1,CP; Reply (Heitmiller) 1991;52:1371,CP
- Valvoplasty**
Management of ventricular septal defect with associated aortic incompetence (Hitchcock, Suijker, & others) 1991;52:70-3*
Mitral valve repair in the extensively calcified mitral valve annulus (El Asmar, Acker, & others) 1991;52:66-9*
- Vascular diseases**
Simultaneous revascularization for critical coronary and peripheral vascular ischemia (Carrel, Niederhäuser, & others) 1991;52:805-9*
- Vena cava, superior**
Carlo A. Carlon and the cavopulmonary anastomosis (Bortolotti, Stellin, & Mazzucco) 1991;52:1204-5,CP
- Ventricular fibrillation**
Myocardial oxygen consumption after fibrillation in the non-hypertrophied porcine ventricle (Krukenkamp & Levitsky) 1991;52:949-54*
- Ventricular outflow obstruction**
Extended aortic root replacement with cryopreserved allografts: do they hold up? (Clarke) 1991;52:669-75*
Palliative reconstruction of right ventricular outflow tract in tetralogy (Nair, Venkitachalam, & Valiathan) 1991;52:344,CP; Reply (Okita & Miki) 1991;52:344-5,CP
- Vestibular diseases**
Cogan's syndrome with aortitis, aortic regurgitation, and aortic arch vessel stenoses (Cochrane & Tatoulis) 1991;52:1166-7,CR
- Wolff-Parkinson-White syndrome**
Current treatment for Wolff-Parkinson-White syndrome: results and surgical implications (Bolling, Morady, & others) 1991;52:461-8*
- Workshops**
Report of the first presentation of the national database (Clark) 1991;52:414*

Workshops (cont'd)

The Society of Thoracic Surgeons Coding Workshop: results and conclusions (Levitsky & Fitzgerald) 1991;52:413*

Wounds and injuries

Blunt traumatic rupture of pulmonary vein, left atrium, and

bronchus (McKeown, Rosemurgy, & Conant) 1991;52:1171-7,CR

Traumatic ventricular septal defect and disruption of the descending thoracic aorta (Brown, Nath, & others) 1991;52:143-4,CR

